

Recombinant Enzymes

Form	Liquid (besides lyophilized: (Endo S2/Endo-beta-N-acetylglucosaminidase (Art. No. WM-ENZ17); Neuraminidase (Sialidase) (Art. No. WM-ENZ19))
Purity	>90% as determined by SDS-PAGE
Nature	Recombinant
Note	For research use only.

Art. No.	Product name	Storage buffer	Applications	Expression system	Protein length	Predicted molecular weight	Reconstitution	Species
WM-ENZ01	CAT/Catalase	0.01M PBS, pH 7.4	Proteomics	E. coli	CAT / Catalase is cloned from human cell lines and expressed in E.coli.	62.07 kDa	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.	Human
WM-ENZ02	PNGase F	20mM Tris-HCl, pH 7.5, 50mM NaCl, 5mM EDTA, 50% glycerol	Removal of high mannose N-glycans from glycoproteins	E. coli	PNGase F is cloned from Elizabethkingia miricola and expressed in E.coli.	37.08 kDa		Elizabethkingia miricola
WM-ENZ03	M-MLV	0.01M PBS, pH 7.4	cDNA Synthesis, Reverse Transcription (cDNA Synthesis), RT-PCR & cDNA Synthesis, RT-qPCR, RT-PCR and cDNA Synthesis, PCR	E.coli	M-MLV is cloned from MoMLV and expressed in E.coli.	75.85 kDa	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.	MoMLV
WM-ENZ04	Enterokinase	50 mM Tris-HCl, 50% Glycerol, pH 8.0	Fusion Protein Cleavage, Protein Purification, Protein Digestion	Yeast	Enterokinase is cloned from bovine and expressed in Yeast.	22.11 kDa		Bovine
WM-ENZ05	IdeS Protease (IgG specific)	0.01M PBS, pH 7.4, 50% glycerol	Proteomics	E. coli	IdeS Protease is cloned from Streptococcus pyogenes and expressed in E.coli.	37.57 kDa		Streptococcus pyogenes
WM-ENZ06	IdeZ Protease (IgG specific)	0.01M PBS, pH 7.4, 50% glycerol	Proteomics	E. coli	IdeZ Protease is cloned from Streptococcus equi and expressed in E.coli.	37.75 kDa		Streptococcus equi
WM-ENZ07	EndoS	0.01M PBS, pH 7.4, 50% glycerol	Expression Systems, Proteomics, Glycan Sequencing, Recombinant Glycoprotein Expression, Glycoprotein Analysis	E. coli	EndoS is cloned from Streptococcus pyogenes and expressed in E.coli.	109.35 kDa		Streptococcus pyogenes
WM-ENZ08	3C Protease	50mM Tris-HCl, pH 8.0, 150mM NaCl, 10mM EDTA, 1mM DTT, 50% glycerol	Remove fusion tags from proteins with the HRV 3C cleavage sequence(LEVLFG↓GP).	E.coli	3C Protease is cloned from Human rhinovirus and expressed in E.coli.	47.46 kDa		HRV-14

WM-ENZ09	SUMO protease/ULP1	0.01M PBS, pH 7.4	Remove or cleave SUMO tag from the SUMO fusion protein	E. coli	SUMO protease is cloned from Baker's yeast and expressed in E.coli.	27.93 kDa	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.	Saccharomyces cerevisiae (strain ATCC 204508 / S288c) (Baker's yeast)
WM-ENZ10	Taq DNA Polymerase	0.01M PBS, pH 7.4	Colony PCR, Multiplex PCR, Specialty PCR, Routine PCR, PCR	E. coli	Taq DNA Polymerase is cloned from Thermus aquaticus and expressed in E.coli.	95.17 kDa	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.	Thermus aquaticus
WM-ENZ11	Beta-Hexosaminidase B (HEXB) (Alternative names: Beta-hexosaminidase subunit beta, N-Acetyl- β -glucosaminidase (NAG), chitobiase, NAG, Beta-N-acetylhexosaminidase subunit beta, N-acetyl-beta-glucosaminidase subunit beta, Cervical cancer proto-oncogene 7 protein, Hexosaminidase subunit B, HCC-7, HEXB, β -Hexosaminidase, β -Hex B, Hex B)	PBS pH 7.4, 50% glycerin	Beta-Hexosaminidase B can release all types of GlcNAc(β 1-x) units, including the bisecting GlcNAc structure in N-linked glycans.	Mammalian	Beta-Hexosaminidase B (HEXB) is expressed in Mammalian.	62 kDa		Homo sapiens (Human)
WM-ENZ12	Lambda Protein Phosphatase (Lambda PP)	100 mM NaCl, 50 mM HEPES, pH 7.5, 0.1 mM MnCl ₂ , 0.1 mM EDTA, 2 mM DTT, 0.01% Brij35, and 50% glycerol	Remove phosphate groups from phosphorylated serine, threonine and tyrosine residues in proteins.	E. coli	Lambda PP is cloned from Escherichia phage lambda and expressed in E.coli.	27.32 kDa		Escherichia phage lambda (Bacteriophage lambda)
WM-ENZ13	TEV Protease (Alternative names: TEV Protease, Genome polypeptide)	25 mM Tris-HCl, pH 8.0, 50 mM NaCl, 1 mM EDTA, 50% glycerol	TEV Protease is a highly specific cysteine protease. The TEV Protease recognition sequence with the highest catalytic efficiency is ENLYFQ↓(S/G/A/M/C/H).	E.coli	TEV Protease is cloned from Tobacco etch virus (TEV) and expressed in E.coli.	54.31 kDa		Tobacco etch virus (TEV)
WM-ENZ14	Benzonase Nuclease (Alternative names: Benzonase Nuclease, Endonuclease)	25 mM Tris pH 8.0, 100mM NaCl, 50% Glycerol		E.coli	Benzonase Nuclease is cloned from Serratia marcescens and expressed in E.coli.	30.16 kDa		Serratia marcescens
WM-ENZ15	T5 Exonuclease (Alternative names: T5 Exonuclease)	50 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 50% glycerol, 0.1% Triton X-100, pH 7.5 @ 25°C		E.coli	T5 Exonuclease is cloned from Escherichia phage T5 and expressed in E.coli.	35.61 kDa		Escherichia phage T5 (Enterobacteria phage T5)

WM-ENZ16	α -fucosidase/AlfC (Alternative names: α -fucosidase, AlfC, Alpha-L-fucosidase, Alpha-fucosidase)	0.01M PBS, pH 7.4	α -fucosidase/AlfC is a highly specific exoglycosidase that catalyzes the hydrolysis of alpha-1,6-linked fucose residues from glycoproteins.	E.coli	α -fucosidase/AlfC is cloned from Lactacaseibacillus paracasei (Lactobacillus paracasei) and expressed in E.coli.	63.40 kDa	Reconstitute in sterile water for a stock solution.	Lactacaseibacillus paracasei (Lactobacillus paracasei)
WM-ENZ17	Endo S2/Endo-beta-N-acetylglucosaminidase (Alternative names: Endo S2, Endo-S2, EndoS2, Endo-beta-N-acetylglucosaminidase)	Lyophilized from PBS pH7.4, 1mM EDTA, 4% trehalose, 1% mannitol	Endo S2 hydrolyses N-linked glycans on IgG and α 1-acid glycoprotein.	E.coli	Endo S2/Endo-beta-N-acetylglucosaminidase is cloned from Streptococcus pyogenes and expressed in E.coli.	114.67 kDa	Reconstitute in sterile water for a stock solution.	Streptococcus pyogenes
WM-ENZ18	Terminal Transferase (TdT) (Alternative names: DNA nucleotidyltransferase, 2.7.7.31, Terminal addition enzyme, Terminal deoxynucleotidyltransferase, TDT, Terminal transferase, DNTT, TDT)	100mM KAc (pH6.8), 2mM 2-mercaptoethanol, 0.01%Triton X-100 and 50% glycerol	Terminal transferase catalyzes the addition of deoxynucleotides to the 3' hydroxyl terminus of DNA molecules.		Terminal Transferase (TdT) is expressed in E. coli.	45 kDa		Bovine
WM-ENZ19	Neuraminidase (Sialidase) (Alternative names: Sialidase, 3.2.1.18, Neuraminidase; nanH)	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol	Neuraminidase (Sialidase) has been used to desialylate transferrin in order to study its isoforms in human serum.	E. coli	Neuraminidase (Sialidase) is cloned from Clostridium perfringens and expressed in E. coli.	44.04 kDa	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.	Clostridium perfringens
WM-ENZ20	CU43 Protease (Human IgG Specific) (Alternative names: CU43 Protease, CU43)	0.01M PBS, pH 7.4	Proteomics	Mammalian cells	CU43 Protease is cloned from Corynebacterium ulcerans and expressed in Mammalian cells.	70.94 kDa		Corynebacterium ulcerans
WM-ENZ21	CU43 Protease (Human IgG Specific) (Alternative names: CU43 Protease, CU43)	0.01M PBS, pH 7.4	Proteomics	E. coli	CU43 Protease is cloned from Corynebacterium ulcerans and expressed in E. coli.	44.89 kDa		Corynebacterium ulcerans