

Recombinant Human MAN1B1 293 Cell Lysate

Cat. No. MAN1B1-4526HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for mannosidase, alpha, class 1B, member 1 (MAN1B1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MAN1B1 mannosidase, alpha, class 1B, member 1 [Homo sapiens]
Official Symbol	MAN1B1
Synonyms	MAN1B1; mannosidase, alpha, class 1B, member 1; endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase; alpha 1; 2 mannosidase; endoplasmic reticulum alpha mannosidase 1; endoplasmic reticulum mannosyl oligosaccharide 1; 2 alpha mannosidase 1; ER alpha 1; Man9GlcNAc2 specific processing alpha mannosidase; MANA ER; ER alpha 1,2-mannosidase; Man9GlcNAc2-specific processing alpha-mannosidase; endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase 1; MRT15; ERMAN1; MANA-ER; FLJ37559;
Gene ID	11253
mRNA Refseq	NM_016219
Protein Refseq	NP_057303
MIM	604346
UniProt ID	Q9UKM7
Chromosome Location	9q34.3
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Calnexin/calreticulin

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cycle, organism-specific biosystem; ER Quality Control Compartment (ERQC), organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem;

Function

calcium ion binding; hydrolase activity, acting on glycosyl bonds; mannosyl-oligosaccharide 1,2-alpha-mannosidase activity; mannosyl-oligosaccharide 1,2-alpha-mannosidase activity;

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