

Recombinant Human MAN2A1 293 Cell Lysate

Cat. No. MAN2A1-4525HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mannosidase, alpha, class 2A, member 1 (MAN2A1) 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.

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

GENE INFORMATION
Gene Name

[MAN2A1 mannosidase, alpha, class 2A, member 1 \[Homo sapiens \]](#)

Official Symbol

MAN2A1

Synonyms

MAN2A1; mannosidase, alpha, class 2A, member 1; MANA2; alpha-mannosidase 2; golgi integral membrane protein 7; GOLIM7; man II; AMan II; Golgi alpha-mannosidase II; mannosidase, alpha type II; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase; MANII;

Gene ID

[4124](#)

mRNA Refseq

[NM_002372](#)

Protein Refseq

[NP_002363](#)

MIM

[154582](#)

UniProt ID

[Q16706](#)

Chromosome Location

5q21.3

Pathway

Asparagine N-linked glycosylation, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved

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	biosystem; N-glycan antennae elongation in the medial/trans-Golgi, organism-specific biosystem; N-glycan biosynthesis, complex type, organism-specific biosystem;
Function	alpha-mannosidase activity; carbohydrate binding; hydrolase activity, hydrolyzing N-glycosyl compounds; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase activity; metal ion binding; zinc ion binding;