

Recombinant Human MAN2B1 293 Cell Lysate

Cat. No. MAN2B1-4524HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for mannosidase, alpha, class 2B, member 1 (MAN2B1) 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

MAN2B1 mannosidase, alpha, class 2B, member 1 [Homo sapiens]

Official Symbol

MAN2B1

Synonyms

MAN2B1; mannosidase, alpha, class 2B, member 1; MANB; lysosomal alpha-mannosidase; LAMAN; mannosidase alpha-B; mannosidase, alpha B, lysosomal; lysosomal acid alpha-mannosidase;

Gene ID

4125

mRNA Refseq

NM_000528

Protein Refseq

NP_000519

MIM

609458

UniProt ID

O00754

**Chromosome
Location**

19cen-q13.1

Pathway

Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem;

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Function

alpha-mannosidase activity; carbohydrate binding; mannose binding; metal ion binding; zinc ion binding;

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