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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA