

Product Data Sheet

Recombinant Human MAN1B1 Protein

Catalog #	Source	Reactivity	Applications
CRP1936	Human cells	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human MAN1B1 Protein is produced by Mammalian expression system and the target gene encoding Asp106-Ala699 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 50mM Tris-HCl, 10mM reduced Glutathione, pH 8.0.		
Gene Symbol	MAN1B1		
Alternative Names	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase; ER alpha-1,2-mannosidase; ER mannosidase 1; ERMan1; Man9GlcNAc2-specific-processing alpha-mannosidase; Mannosidase alpha class 1B member 1		
Entrez Gene	11253 (Human)		
SwissProt	Q9UKM7 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	DHWKALAFRL EEEQKMRPEI AGLKPANPPV LPAPQKADTD PENLPEISSQ KTQRHIQ RGP PHLQIRPPSQ DLKDG TQEEA TKRQEAPVDP RPEGDPQRTV ISWRGAVIEP EQGT ELPSRR AEVPTKPPLP PARTQGTPVH LNYRQKGVID VFLHAWKGYR KFAWGHDELK PVSRSFSEWF GLGLTLIDAL DTMWILGLRK EFEEARKWVS KKLHFEKDVD VNLFE TIRI LGGLLSAYHL SGDSLFLRKA EDFGNRLMPA FRTPSKIPYS DVNIGTGVAH PPRWTS DSTV AEVTSIQLEF RELSRLTGDK KFQEAVEKVT QHIHGLSGKK DGLVPMFINT HSGLFTHLGV FTLGARADSY YEYLLKQWIIQ GGGKQETQ LLE DYVEAIEGVR THLLRHSEPS KLTFVGELAH GRFSAKMDHL VCFLPGTLAL GVIYHGLPASH MELAQELMET CYQMNRQMET GLSPEIVHFN LYPQPGR RDV		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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EVKPADRHNL LRPETVESLF YLYRVTGDRK YQDWGWELQ SFSRFTRVPS GGYSSINNVQ
DPQKPEPRDK MESFFLGETL KYLFLFSDD PNLLSLDAYV FNTEAHPLPI WTPAVDHHHH HH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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