

Datasheet for ABIN7554486

MAN1B1 Protein (AA 1-699) (His tag)



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Overview

Quantity:	1 mg
Target:	MAN1B1
Protein Characteristics:	AA 1-699
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAN1B1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MAN1B1 Protein expressed in mammalian cells.
Sequence:	<p>MAACEGRRSG ALGSSQSDFL TPPVGGAPWA VATTVMYPP PPPPPHRDFI SVTLSFGENY</p> <p>DNSKSWRRRS CWRKWKQLSR LQRNMILFL AFLFCGLLF YINLADHWKA LAFRLEEEQK</p> <p>MRPEIAGLKP ANPPVLPAPQ KADTDPENLP EISSQKTQRH IQRGPPHLQI RPPSQDLKDG</p> <p>TQEEATKRQE APVDP RPEDG PQRTVISWRG AVIEPEQGTE LPSRRAEVPT KPPLPPARTQ</p> <p>GTPVHLNRYQ KGVIDVFLHA WKG YRKFAWG HDELKPVSR S FSEWFGGLT LIDALDTMWI</p> <p>LGLRKEFEEA RKWVSKKLHF EKDVVDNLFE STIRILGGLL SAYHLSGDSL FLRKAEDFGN</p> <p>RLMPAFRTPS KIPYSDVNIG TGVAHPPRWT SDSTVAEVTS IQLEFRELSR LTGDKKFQEA</p> <p>VEKVTQHIHG LSGKKDGLVP MFINTHSGLF THLGVFTLGA RADSYYEYLL KQWIQGGKQE</p> <p>TQLLEDYVEA IEGVRTHLLR HSEPSKLTFFV GELAHGRFSA KMDHLVCFLP GTLALGVYHG</p> <p>LPASHMELAQ ELMETCYQMN RQMETGLSPE IVHFNLYPQP GRRDVEVKPA DRHNLLRPET</p> <p>VESLFYLYRV TGDRKYQDWG WEILQSFSRF TRVPSGGYSS INNVQDPQKP EPRDKMESFF</p>

LGETLKYLFL LFSDDPNLLS LDAYVFNTA HPLPIWTPA **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	MAN1B1
Alternative Name:	MAN1B1 (MAN1B1 Products)
Background:	<p>Endoplasmic reticulum mannosyl-oligosaccharide 1,2-α-mannosidase (EC 3.2.1.113) (ER α-1,2-mannosidase) (ER mannosidase 1) (ERMan1) (Man9GlcNAc2-specific-processing α-mannosidase) (Mannosidase α class 1B member 1),FUNCTION: Involved in glycoprotein quality control targeting of misfolded glycoproteins for degradation. It primarily trims a single α-1,2-linked mannose residue from Man(9)GlcNAc(2) to produce Man(8)GlcNAc(2), but at high enzyme concentrations, as found in the ER quality control compartment (ERQC), it further trims the carbohydrates to Man(5-6)GlcNAc(2). {ECO:0000269 PubMed:12090241, ECO:0000269 PubMed:18003979}.</p>
Molecular Weight:	79.6 kDa

Target Details

UniProt: [Q9UKM7](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months