

Datasheet for ABIN7563021

alpha-Mannosidase II Protein (AA 1-1150) (His tag)



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Overview

Quantity:	1 mg
Target:	alpha-Mannosidase II (MAN2A1)
Protein Characteristics:	AA 1-1150
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha-Mannosidase II protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Man2a1 Protein expressed in mammalian cells.
Sequence:	<p>MKLSRQFTVF GSAIFCVVIF SLYLMLDRGH LDYPRGPRQE GSFPQGQLSI LQEKIDHLER</p> <p>LLAENNEIIS NIRDVINLS ESVEDGPRGS PGNASQGSIH LHSPQLALQA DPRDCLFASQ</p> <p>SGSQPRDVQM LDVYDLIPFD NPDGGVWKQG FDIKYEADWE DHEPLQVFVV PHSHNDPGWL</p> <p>KTFNDYFRDK TQYIFNNMVL KLKEDSSSRKF MWSEISYLAK WWDIIDIPKK EAVKSLLQNG</p> <p>QLEIVTGGWV MPDEATPHYF ALIDQLIEGH QWLEKNLGVK PRSGWAIDPF GHSPTMAYLL</p> <p>KRAGFSHMLI QRVHYAIKKH FSLHKTLEFF WRQNWDLGSA TDILCHMMPF YSYDIPHTCG</p> <p>PDPKICCCQFD FKRLPGGRYG CPWGVPEAI SPGNVQSRAQ MLLDQYRKKS KLFRTKVLLA</p> <p>PLGDDFRFSE YTEWDLQCRN YEQLFSYMNS QPHLKVKIQF GTLSYDFDAL EKAVAAEKKS</p> <p>SQSVFPALSG DFFTYADRDD HYWSGYFTSR PFYKRMDRIM ESRIRAAEIL YQLALKQAQK</p> <p>YKINKFLSSP HYTTLTEARR NLGLFQHHDA ITGTAKDWVV VDYGTRLFQS LNSLEKIIGD</p> <p>SAFLILKDK KLYQSDPSKA FLEMDTKQSS QDSLPPQKIII QLSAQEPRYL VVYNPFEEQR</p>

HSVVSIRVNS ATVKVLSDSG KPVEVQVSAV WNDMRTISQA AYEVSFLAHI PPLGLKVFKI
LESQSSSSHL ADYVLYNNDG LAENGIFHVK NMVDAGDAIT IENPFLAIWF DRSGLMKVR
RKEDSRQHEL KVQFLWYGTT NKRDKSGAYL FLPDGQGQPY VSLRPPFVRV TRGRIYSDVT
CFLEHVTHKV RLYNIQGIEG QSMEVSNIVN IRNVHNREIV MRISSKINNQ NRYTDLNGY
QIQPRRTMSK LPLQANVYPM CTMAYIQDAE HRLTLLSAQS LGASSMASGQ IEVFMDRRLM
QDDNRGLGQG VHDNKITANL FRILLEKRSA VNMEEEKKSP VSYPSSLSTM TSSFLNHPFL
PMVLGQLPS PAFELLSEFP LLQSSLPCDI HLVNLRITQS KMGKGYSDEA ALILHRKGFD
CQFSSRGIGL PCSTTQGKMS VLKLFNKFAV ESLVPSSLSL MHSPDAQNM SEVSLSPMEI
STFRIRLRWT **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:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

alpha-Mannosidase II (MAN2A1)

Alternative Name:

Man2a1 ([MAN2A1 Products](#))

Background:

Alpha-mannosidase 2 (EC 3.2.1.114) (Golgi alpha-mannosidase II) (AMan II) (Man II)
(Mannosidase alpha class 2A member 1) (Mannosyl-oligosaccharide 1,3-1,6-alpha-

Target Details

mannosidase),FUNCTION: Catalyzes the first committed step in the biosynthesis of complex N-glycans. It controls conversion of high mannose to complex N-glycans, the final hydrolytic step in the N-glycan maturation pathway. {ECO:0000250|UniProtKB:P28494}.

Molecular Weight: 131.6 kDa

UniProt: [P27046](#)

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