

Datasheet for ABIN7554499

alpha-Mannosidase II Protein (AA 1-1144) (His tag)



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Overview

Quantity:	1 mg
Target:	alpha-Mannosidase II (MAN2A1)
Protein Characteristics:	AA 1-1144
Origin:	Human
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:	MKLSRQFTVF GSAIFCVVIF SLYLMLDRGH LDYPRNPRRE GSFPQGQLSM LQEKIDHLER LLAENNEIIS NIRDVINLS ESVEDGPKSS QSNFSQGAGS HLLPSQLSLS VDTADCLFAS QSGSHNSDVQ MLDVYSLISF DNPDGGVWKQ GFDITYESNE WDTEPLQVFV VPHSHNDPGW LKTFNDYFRD KTQYIFNNMV LKLKEDSRRK FIWSEISYLS KWWDIIDIQK KDAVKSLIEN GQLEIVTGGW VMPDEATPHY FALIDQLIEG HQWLENNIGV KPRSGWAIDP FGHSPTMAYL LNRAGLSHML IQRVHYAVKK HFALHKTFLE FWRQNWDLGS VTDILCHMMP FYSYDIPHTC GPDPKICCCQF DFKRLPGGRF GCPWGVPPET IHPGNVQSRA RMLLDQYRKK SKLFRTKVLL APLGDDFRYC EYTEWDLQFK NYQQLFDYMN SQSKFKVKIQ FGTLSDFFDA LDKADETQRD KGQSMFPVLS GDDFTYADRD DHYWSGYFTS RPFYKRM DRI MESHLRAAEI LYYFALRQAH KYKINKFLSS SLYTALTEAR RNLGLFQHHD AITGTAKDWV VVDYGTRLFH SLMVLEKIIG NSAFLLILKD KLTYDSYSPD TFLEMDLKQK SQDSL PQKNI IRLSAEP RYL VVYNPLEQDR

ISLVSYYVSS PTVQVFSASG KPVEVQVSAV WDTANTISSET AYEISFRAHI PPLGLKVYKI
LESASSNSHL ADYVLYKNKV EDSGIFTIKN MINTEEGITL ENSFVLLRFD QTGLMKQMMT
KEDGKHHEVN VQFSWYGTTI KRDKSGAYLF LPDGNAPYV YTTPPFVRVT HGRIYSEVTC
FFDHVTHRVR LYHIQGIEGQ SVEVSNIVDI RKVYNREIAM KISSDIKSNQ RFYTDLNGYQ
IQPRMTLSKL PLQANVYPMT TMAYIQDAKH RLTLSSAQSL GVSSLNSGQI EVIMDRRLMQ
DDNRGLEQGI QDNKITANLF RILLEKRSV NTEEEKSVS YPSLLSHITS SLMNHPVIPM
ANKFSSPTLE LQGEFSPLQS SLPCDIHLVN LRTIQSKVGN GHSNEAALIL HRKGFDCRFS
SKGTGLFCST TQGKILVQKL LNKFIVESLT PSSLSLMHSP PGTQNISEIN LSPMEISTFR IQLR

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: 131.1 kDa

UniProt: [Q16706](#)

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