

Datasheet for ABIN7564416

MAN2A2 Protein (AA 1-1152) (His tag)



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Overview

Quantity:	1 mg
Target:	MAN2A2
Protein Characteristics:	AA 1-1152
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MAN2A2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Man2a2 Protein expressed in mammalian cells.
Sequence:	<p>MKLKKQVTVC GAAIFCVAVF SLYLMLDRVQ HDPARHQNGG NFPRSQISVL QNRIEQLEQL</p> <p>LEENHDIISR IKDSVLELTA NAEGPPALLP YHTANGSWAV LPEPRPSFFS VSPQDCQFAL</p> <p>GGRGQKPELQ MLTVSEDLPF DNVEGGVWRQ GFDISYSPND WDTEDLQVFV VPHSHNDPGW</p> <p>IKTFDKYYTE QTQHILNSMV SKLQEDPRRR FLWAEVSFFA KWWDNISAQK RAAVRRRLVGN</p> <p>GQLEIATGGW VMPDEANSHY FALVDQLIEG HQWLERNLGA TPRSGWAVDP FGHSSTMPYL</p> <p>LRRANLTSML IQRVHYAIKK HFAATHSLEF MWRQMWDSDS STDIFCHMMP FYSYDVPHTC</p> <p>GPDPKICCCQF DFKRLPGGRI NCPWKVPPRA ITEANVADRA ALLLDQYRKK SRLFRSNVLL</p> <p>VPLGDDFRYD KPQEWDAQFF NYQRLFDLNL SKPEFHVQAQ FGTLSEYFDA LYKRTGVEPG</p> <p>ARPPGFPVLS GDFSYSADRE DHYWTGGYTS RPFYKSLDRV LEAHLRGAEI LYSALAHAR</p> <p>RSGLAGQYPL SDFALLTEAR RTLGLFQHHD AITGTAKEAV VVDYGVRLLR SLVSLKQVII</p> <p>NAAHYLVLGD QETYSFDPGT PFLQMDDSRV SHDALPERTV IRLDSSPRFV VVFNPLEQER</p>

LSVSVLLVNS PRVRVLSEEG QPLSVQISVH WSSATDMVPD VYQVSVPVRL PGLGLGVLQL
QPDLDGPYTL QSSVRVYLNG VKLSVSRQSA FPVRVVDSDA SDFAINRYM QVWFSGLTGL
LKSIRRVDEE QEQQMELEFL VYGTRTSKDK SGAYLFLPDS EAKPYVPKKP PVLRVTEGPF
FSEVAVYYEH FHQVIRLYNL PGVEGLSLDM SFQVDIRDYV NKELALRIHT DIDSQGTFFT
DLNGFQIQPR QYLKKLPLQA NFYPMPVMAY IQDSQRRLTL HTAQALGVSS LGNGQLEVL
DRRLMQDDNR GLGQGLKDNK ITCNRFRLLL ERRTTMSPEV HQEQERSTSY PSLLSHLTSM
YLSTPPLVLP VAKRQGTSPA LRSFHPLASP LPCDFHLLNL RMLPAEDTLP ATDSALILHR
KGFDCGLEAK NLGFNCTTSQ GKLALGSLFH GLDVTFLQPT SLTLLYPLAS PSNSTDISLE
PMEISTFRLR LG **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:

MAN2A2

Alternative Name:

Man2a2 ([MAN2A2 Products](#))

Background:

Alpha-mannosidase 2x (EC 3.2.1.114) (Alpha-mannosidase IIx) (Man IIx) (Mannosidase alpha class 2A member 2) (Mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase),FUNCTION:

Target Details

	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 (By similarity). {ECO:0000250}.
Molecular Weight:	130.6 kDa
UniProt:	Q8BRK9

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