

Product Information

MemDX™ Membrane Protein Human MAN2A1 (Mannosidase alpha class 2A member 1) Full Length

Cat. No.: **MPC3498K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MAN2A1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MAN2A1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MKLSRQFTVFGSAIFCVVIFSLYLMLDRGHLDYPRNPRREGSFPQGQLSM
LQEKIDHLERLLAENNEIISNIRDSVINLSESVEDGPKSSQSNFSQGAGS
HLLPSQLSLSDVTADCLFASQSGSHNSDVQMLDVYSLISFDNPDGGVWKQ
GFDITYESNEWDEPLQVFVPHSHNDPGWLKTFNDYFRDKTQYIFNNMV
LKLKEDSRRKFIWSEISYLSKWWDIIDIQKKDAVKSLIENGQLEIVTGGW
VMPDEATPHYFALIDQLIEGHQWLENNIGVKPRSGWAIDPFGHSPTMAYL
LNRAGLSHMLIQRVHYAVKKHFALHKTLEFFWRQNWDLGSVTDILCHMMP
FYSYDIPHTCGDPKICCFDFKRLPGGRFGCPWGVPPETIHPGNVQSRA
RMLLDQYRKSKLFRTKVLLAPLGDDFRYCEYTEWDLQFKNYQQLFDYMN
SQSKFKVKIQFGTLDFFDALDKADETQRDKGQSMFVLSGDFFTYADRD
DHYWSGYFTSRPFYKRMDRIMESHLRAAEILYYFALRQAHKYKINKFLSS
SLYTALTEARRNLGLFQHHDAITGTAKDWVVVDYGTRLFHSLMVLEKIIG
NSAFLLILKDKLTYDSYSPDTFLEMDLKQKSQDQLPQKNIRLSAEPYRL
VVYNPLEQDRISLVSIVYSSPTVQVFSASGKPVQVQSAVWDTANTISET
AYEISFRAHIPPLGLKVYKILESASSNSHLADYVLYKNKVEDSGIFTIKN
MINTEEGITLENFVLLRFDQTGLMKQMMTKEDGKHHEVNVQFSWYGTTI
KRDKSGAYLFLPDGNAKPYVYTTTPPFVRVTHGRIYSEVTCFFDHVTHRV
LYHIQGIEGQSVEVSNIVDIRKVYNREIAMKISSDIKSQNRFYTDLNGYQ
IQPRMTLSKLPLQANVYPMTTMAYIQDAKHRLTLLSAQSLGVSSLNSGQI
EVIMDRRLMQDDNRGLEQGIQDNKITANLFRILLEKRSVNTREEKKSVS
YPSLLSHITSSLMNHPVIPMANKFSSPTLELQGEFSPLQSSLPCDIHLVN
LRTIQSKVGNHGSNEAALILHRKGFDCRFSSKGTGLFCSTTQGKILVQKL

LNKFIVESLTPSSLSLMHSPPGTQNISEINLSPMEISTFRIQLR

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MAN2A1

Full Name

Mannosidase alpha class 2A member 1

Introduction

This gene encodes a glycosyl hydrolase that localizes to the Golgi and catalyzes the final hydrolytic step in the asparagine-linked oligosaccharide (N-glycan) maturation pathway. Mutations in the mouse homolog of this gene have been shown to cause a systemic autoimmune disease similar to human systemic lupus erythematosus.

Alternative Names

MAN2A1; MANA2; MANII; GOLIM7; AMan II; alpha-mannosidase 2; Golgi alpha-mannosidase II; golgi integral membrane protein 7; mannosidase, alpha type II; mannosyl-oligosaccharide 1,3-1,6-alpha-mannosidase; Mannosidase alpha class 2A member 1

Gene ID

[4124](#)

UniProt ID

[Q16706](#)