

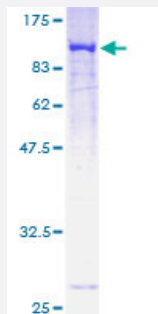
Full-Length

MAN1A2 (Human) Recombinant Protein (P01)

Catalog # H00010905-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MAN1A2 full-length ORF (AAH63300, 1 a.a. - 641 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTTPALLPLSGRRIPPLNLGPPSPFPHRATLRLSEKFILLILSAFITLCFGAFFFLPDSSKHKRFDLG
LEDVLIPHVDAGKGAKNPGVFLIHGPDEHRHREEERLRNKIRADHEKALEEAKEKLRSREEIRA
EIQTEKNKVVQEMKIKENKPLPPVPIPNLVGIRGGDPEDNDIREKREKIKEMMKHAWDNYRTYGWG
HNELRPIARKGHSPNIFGSSQMGATVDALDTLYMGLHDEFDGGQRWIEDNLDVSVNSEVSVFEV
NIRFIGGLLAAYYLSGEEIFKIKAVQLAEKLLPAFNTPTGIPWAMVNLKSGVGRNWGWASAGSSILA
EFGTLHMEFIHLSYLTGDLTYKKVMHIRKLLQKMDRPNGLYPNYLNPRTGRWGWQYHTSVGGLGDS
FYEYLLKAWLMSDKTDHEARKMYDDAIEAIEKHLIKSRGGLTFIGEWKNGHLEKKMGHLACFAG
GMFALGADGSRADKAGHYELGAEIARTCHESYDRTALKLGPESEFKFDGAVEAVAVRQAEKYIL
RPEVIETYWYLWRFTHDPRYRQWGWEAALAIEKYCRVNGGFGSVKDVYSSTPTHDDVQQSFFLA
ETLKLYLLFSGDDLPLDHWVFNTAEHPLPVLHLANTTSLGNPAVR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.25

Interspecies Antigen Sequence

Mouse (94); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MAN1A2

Entrez GeneID	10905
GeneBank Accession#	BC063300
Protein Accession#	AAH63300
Gene Name	MAN1A2
Gene Alias	MAN1B
Gene Description	mannosidase, alpha, class 1A, member 2
Omim ID	604345
Gene Ontology	Hyperlink
Gene Summary	Alpha-mannosidases function at different stages of N-glycan maturation in mammalian cells. See MAN2A1 (MIM 154582) for general information.[supplied by OMIM]
Other Designations	alpha1,2-mannosidase

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)