

Recombinant Human MAN1A1 protein, His & GST-tagged

Cat. No. MAN1A1-1549H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MAN1A1 aa. (Ile322~Glu653 (Accession # P33908)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile322~Glu653
Description	This gene encodes a class I mammalian Golgi 1,2-mannosidase which is a type II transmembrane protein. This protein catalyzes the hydrolysis of three terminal mannose residues from peptide-bound Man(9)-GlcNAc(2) oligosaccharides and belongs to family 47 of glycosyl hydrolases.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 68.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Reconstitution

Reconstitute in sterile ddH₂O.

Isoelectric Point

5.8

GENE INFORMATION

Gene Name

[MAN1A1 mannosidase alpha class 1A member 1 \[Homo sapiens \(human\) \]](#)

Official Symbol

[MAN1A1](#)

Synonyms

MAN1A1; mannosidase alpha class 1A member 1; MAN9; HUMM3; HUMM9; mannosyl-oligosaccharide 1,2-alpha-mannosidase IA; Man9-mannosidase; alpha-1,2-mannosidase IA; man(9)-alpha-mannosidase; processing alpha-1,2-mannosidase IA

Gene ID

[4121](#)

mRNA Refseq

[NM_005907.3](#)

Protein Refseq

[NP_005898.2](#)

UniProt ID

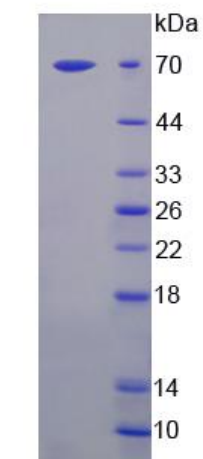
[P33908](#)

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SDS-PAGE



15% SDS-PAGE

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