



# Recombinant Rabbit Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA (MAN1A1)

<b>Product Code</b>	CSB-EP013383RB-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P45701
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Oryctolagus cuniculus (Rabbit)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>REPADAAVRE KRAKIKEMME HAWNSYKRYA WGLNELKPIT KEGHSSSLFG  TIKGATIVDA LDTLFIMGME SEFQEAQSWI AENLDFNVNA EISVFEVNIR  FVGGLLSAYY LSGEEIFRKK AVELGIKLLP AFHTPSGIPW ALLNIKSGIG  RNWPWASGGS SILAEFGTLH LEFMHLSHLS GNPIFAEKVM NIRKVLNKLE  KPEGLYPNYL NPSSGQWQGH HVSIGGLGDS FYEYLLKAWL MSEKTDLEAK  KMYFDAVQAI ETHLIRKSSG GLTYIAEWKG GLEHKMGHL TCFAGGMFAL  GADGAPEGRA QHYLELGAEI ARTCHESYNR TFMKLGPEAF RFDGGVEAIA  TRQNEKYIIL RPEVVETMY MWRLTHDPKY RKWAVEAVEA  LESHCRVNGG YSGLRDVYFT HEKYDQVQSS FFLAETLKYL YLIFSDDDLL  PLEHWIFNTE AHLLPILPTD QKEVEVKVK</p>
<b>Source</b>	E.coli
<b>Target Names</b>	MAN1A1
<b>Protein Names</b>	Recommended name: Mannosyl-oligosaccharide 1,2-alpha-mannosidase IA EC= 3.2.1.113 Alternative name(s): Man(9)-alpha-mannosidase Mannosidase alpha class 1A member 1 Processing alpha-1,2-mannosidase IA Short name= Alpha-1,2-man
<b>Expression Region</b>	1-469
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This gene encodes a class I mammalian Golgi 1,2-mannosidase which is a type II transmembrane protein. This protein catalyzes the removal of 3 distinct mannose residues from peptide-bound Man(9)-GlcNAc(2) oligosaccharides and belongs to family 47 of glycosyl hydrolases.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . The shelf life of lyophilized form is 12 months at  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ .