



Recombinant PTS system mannose-specific EIIAB component (manX)

Product Code	CSB-EP730315SMZ-B
Abbreviation	manX
Storage	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5XAF5
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
Purity	≥85% (SDS-PAGE)
Sequence	MGIGIIIASH GKFAEGIHQS GSMIFGEQEK VQVVTFMPNE GPDDLYGHFN NAIQQFDADD EILVLADLWS GSPFNQASRV AGENPDRKMA IITGLNLPML IQAYTERLMD AGAGIEQVAA NIKESKDG I KALPEDLN PV EETAATEKVV NALQGAIPAG TVIGDGK LKI NLARVDTRLL HGQVATAWTP ASKADRIIVA SDEVAQDDL R KQLIKQAAPG GVKANVVPIS KLIEASKDPR FGNTHALILF QTPQDALRAV EGGVEINELN VGSMAHSTGK TMVNNVLSMD KEDVATFEKL RDL SVTFDVR KVPNDSKKNL FELIQKANIK
Source	E.coli
Target Names	manX
Protein Names	Recommended name: PTS system mannose-specific EIIAB component Alternative name(s): EIIAB-Man Including the following 2 domains: Mannose-specific phosphotransferase enzyme IIA component EC= 2.7.1.- Alternative name(s): EIII-Man
Expression Region	1-330
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	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°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.