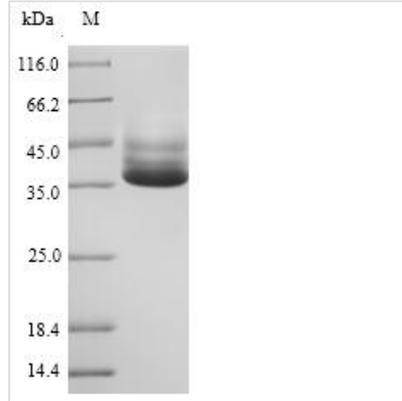


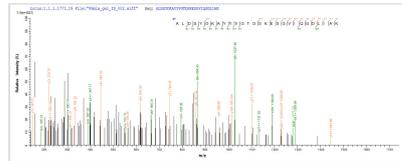


# Recombinant Salmonella typhimurium D-galactose-binding periplasmic protein (mglB)

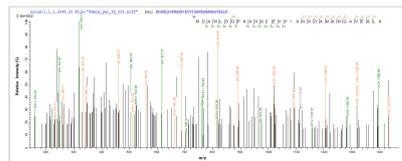
<b>Product Code</b>	CSB-YP326441SXB
<b>Relevance</b>	This protein is involved in the active transport of galactose and glucose. It plays a role in the chemotaxis towards the two sugars by interacting with the trg chemoreceptor
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer 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.
<b>Uniprot No.</b>	P23905
<b>Alias</b>	D-galactose/ D-glucose-binding protein
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Salmonella typhimurium (strain LT2 / SGSC1412 / ATCC 700720)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	ADTRIGVTIYKYDDNFMSVVRKAIEKDGKSAPDVQLLMNDSQNDQSKQNDQID VLLAKGVKALAINLVDPAAGTVIEKARGQNVVFFNKEPSRKALDSYDKAYY VGTDSKESGVIQGDLIAKHWQANQGWDLNKDGKIQYVLLKGEPGHPDAEART TYVVKELNDKGIQTEQLALDTAMWDTAQAKDKMDAWLSGPNANKIEVVIANND AMAMGAVEALKAHNKSSIPVFGVDALPEALALVKSGAMAGTVLNDANNQAKA TFDLAKNLAEGKGAADGTSWKIENKIVRVPYVGVDKDNLSEFTQK
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	others
<b>Source</b>	Yeast
<b>Gene Names</b>	mglB
<b>Protein Names</b>	Recommended name: D-galactose-binding periplasmic protein Short name= GBP Alternative name(s): D-galactose/ D-glucose-binding protein Short name= GGBP
<b>Expression Region</b>	24-332aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	35.4kDa
<b>Protein Description</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP326441SXB could indicate that this peptide derived from Yeast-expressed *Salmonella typhimurium* (strain LT2 / SGSC1412 / ATCC 700720) mgIB.



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## 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.