



Recombinant Human Beta-galactosidase (GLB1)

Product Code	CSB-EP009476HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16278
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>QR MFEIDYSRDS FLKDGQPFYR ISGSIHYSRV PRFYWKDRLL KMKMAGLNAI QTYVPWNFHE PWPGQYQFSE DHDVEYFLRL AHELGLLVIL RGPYICAEW EMGGLPAWLL EKESILLRSS DPDYLAAVDK WLGVLLPKMK PLYQNGGPV ITVQVENEYGY SYFACDFDYLRFLQKRFRHH LGDDVVLFTT DGAHKTFLLK GALQGLYTTV DFGTGSNITD AFLSQRKCEP KGPLINSEFY TGWLDHWGQP HSTIKTEAVA SSLYDILARG ASVNLVYMFVGTNFAWNGA NSPYAAQPTS YDYDAPLSEA GDLTEKYFAL RNIIQKFEKV PEGPIPPSTP KFAYGKVTLE KLKTVGAALD ILCPSPGPIKS LYPLTFIQVK QHYGFVLYRT TLPQDCSNPA PLSSPLNGVH DRAYVAVDGI PQGVLERNNV ITLNITGKAG ATDLLVENM GRVNYGAYIN DFKGLVSNLT LSSNILDWT IFPLDTEAV RSHLGGWGHR DSGHHDEAWA HNSSNYTLPA FYMGNFSIPS GIPDLPQDTF IQFPGWTKGQ VWINGFNLGR YWPARGPQLT LFVPQHILMT SAPNTITVLE LEWAPCSSDD PELCAVTFVD RPIVIGSSVTY DHPSKPVEKR LMPPPPQKNK DSWLDHV</p>
Source	E.coli
Target Names	GLB1
Protein Names	Recommended name: Beta-galactosidase EC= 3.2.1.23 Alternative name(s): Acid beta-galactosidase Short name= Lactase Elastin receptor 1
Expression Region	29-677
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 of Mature Protein
Target Details	This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.
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.