



Recombinant Human Galactocerebrosidase (GALC)

Product Code	CSB-EP009196HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P54803
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	YVLDDSDG LGREFDGIGA VSGGGATSRL LVNYPEPYRS QILDYLFKPN FGASLHILKV EIGGDGQTTD GTEPSHMHYA LDENYFRGYE WWLMKEAKKR NPNITLIGLP WSFPGWLKKG FDWPYVNLQL TAYYVVTWIV GAKRYHDLDI DYIGIWNERS YNANYIKILR KMLNYQQLQR VKIIASDNLW ESISASMLLD AELFKVVDVI GAHYPGTHSA KDAKLTGKKL WSEDFSTLN SDMGAGCWGR ILNQNYINGY MTSTIAWNLV ASYYEQLPYG RCGLMTAQEP WSGHYVVESP VWVSAHTTQF TQPGWYYLKT VGHLEKGGSY VALTDGLGNL TIIETMSHK HSKCIRPFLP YFNVSQQFAT FVLKGSFSEI PELQVWYTKL GKTSERFLFK QLDSLWLLDS DGSFTLSLHE DELFTLTTLT TGRKGSYPLP PKSQFPSTY KDDFNVDYPF FSEAPNFADQ TGVFEYFTNI EDPGEHHFTL RQVLNQRPI WAADASNTIS IIGDYNWTNL TIKCDVYIET PDTGGVFIAG RVNKGILIR SARGIFFWIF ANGSYRVTDG LAGWIIYALG RVEVTAKKWY TLTLTIKGFH ASGMLNDKSL WTDIPVNF PK NGWAAIGTHS FEFAQFDNFL VEATR
Source	E.coli
Target Names	GALC
Protein Names	Recommended name: Galactocerebrosidase Short name= GALCERase EC= 3.2.1.46 Alternative name(s): Galactocerebroside beta-galactosidase Galactosylceramidase Galactosylceramide beta-galactosidase
Expression Region	43-685
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 a lysosomal protein which hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Mutations in this gene have been associated with Krabbe disease, also known as globoid cell leukodystrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
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.