



Recombinant Human Galactocerebrosidase (GALC)

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| Product Code | CSB-YP009196HU |
| Relevance | Hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Enzyme with very low activity responsible for the lysosomal catabolism of galactosylceramide, a major lipid in myelin, kidney and epithelial cells of small intestine and colon. |
| Abbreviation | Recombinant Human GALC protein |
| 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. | P54803 |
| Alias | Galactocerebroside beta-galactosidase Galactosylceramidase Galactosylceramide beta-galactosidase |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASL HILKVEIGGDGQTTDGTPEPSHMHYALDENYFRGYEWWLMKEAKKRNPNTLIG LPWSFPGWLKGFDPYPVNLQLTAYVVTWIVGAKRYHDLIDYIGIWNERSY NANYIKILRKMLNYQGLQRVKIIASDNLWESISASMLLDAELFKVVDVIGAHYPG THSAKDAKLTGKKLWSSSEDFSTLNSDMGAGCWGRILNQNYINGYMTSTIAWN LVASYEQLPYGRCGLMTAQEPWSGHYVVEVPVWVSAHTTQFTQPGWYYLK TVGHLEKGGSYVALTDGLGNLTIIIETMSHKHSCIRPFLPYFNVSQQFATFVLK GSFSEIPELQVWYTKLGKTSERFLFKQLDSLWLLDSDGSFTLSLHEDELFTLTT LTTGRKGSYPLPPKSQFPSTYKDDFNVDYPPFSEAPNFADQTGVFEYFTNIE DPGEHHFTLRQVLNQRPIWAADASNTISIIGDYNWNTLTIKCDVYIETPDTGGV FIAGRVNKGILIRSARGIFFWIFANGSYRVTGDLAGWIIYALGRVEVTAKKWYT LTLTIKGFASGMLNDKSLWTDIPVNFKNGWAAIGTHSFEFAQFDNFLVEATR |
| Research Area | Cardiovascular |
| Source | Yeast |
| 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 | 43-685aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at |



4°C for up to one week.

Tag Info

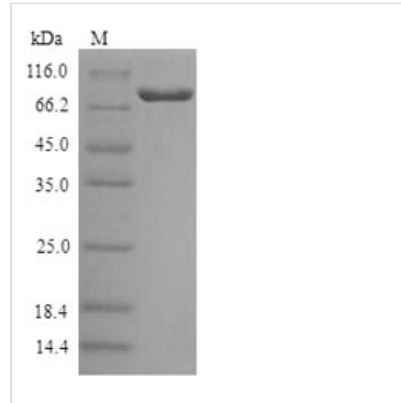
N-terminal 6xHis-tagged

Mol. Weight

74.8kDa

Protein Length

Full Length of Mature Protein

Image

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

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.