



Recombinant Human GALC Protein Product Manual

1. Product Basic Information

Product No.: REP06952

Protein Name: Galactocerebroside Beta-Galactosidase (GALC)

Aliases: GALCERase; galactocerebrosidase; galactosylceramidase; galactosylceraminidase; galactocerebroside beta-galactosidase; galactosylceramide beta-galactosidase; testis tissue sperm-binding protein Li 88E;...

UniProt ID: P54803

UniProt Link: <https://www.uniprot.org/uniprotkb/P54803/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (43-685aa)

Molecular Weight: 74.8kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (43-685aa)

YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASLHILK
VEIGGDGQTTDGTPE SHMHYALDENYFRGYEWWLMKEAKKRNP NITLIGLPWSFP
GWLKGKFDWPYVNLQLTAYYVVTWIVGAKRYHDLDIDYIGIWNERSYNANYIKILRK
MLNYQGLQRVKIIASDNLWESISASMLLDAELFKVVDVIGAHYPGTHSAKDAKLTGK
KLWSSSEDFSTLNSDMGAGCWGRILNQNYINGYMTSTIAWNLVASYEQLPYGRCG
LMTAQEPWSGHYVVESPVWVSAHTTQFTQPGWYYLKT VGHLEKGGSYVALTDGL
GNLTIITMSHKHSCIRPFLPYFNVSQQFATFVLKGSFSEIPELQVWYTKLGKTSE
RFLFKQLDSLWLLDSDGSFTLSLHEDELFTLTTLTTRKGSYPLPPKSQFPSTYKD
DFNVDYPFFSEAPNFADQTGVFEYFTNIEDPGEHHFTLRQVLNQRPITWAADASNTI
SIIGDYNWTNLTIKCDVYIETPDTGGVFIAGRVNKG GILIRSARGIFFWIFANGSYRVT
GDLAGWIIYALGRVEVTAKKWYTLTLTIKGHFASGMLNDKSLWTDIPVNF PKNGWA
AIGTHSFEFAQFDNFLVEATR

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9
glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human GALC full length of mature protein protein (43-685aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. GALC, also known as GALCERase or galactocerebrosidase or galactosylceramidase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.