

Recombinant Full Length Human GALC Protein, GST-tagged

Cat. No. GALC-5221HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GALC full-length ORF (AAH36518, 27 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	27-669 amino acids
Description	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. [provided by RefSeq]
Molecular Mass	96.47 kDa
AA Sequence	YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASLHILKV EIGGDGQTTDGTESPMHYALDGNVFRGYEWWMKEAKKRNPNTLIGLPWSFPG WLGKGFDPYPVNLQLTAYYVVTWIVGAKRYHDLDDIDYIGIWNERSYNANYIKILRKML NYQGLQRVKIIASDNLWESISASMLLDAELFKVVDVIGAHYPGTHSAKDAKLTGKKL WSSDEFSTLNSDMGAGCWGRILNQNYINGYMTSTIAWNLVASYEQLPYGRCGLM TAQEPWSGHYVVEPVVWSAHTTQFTQPGWYYLKTGVHLEKGGSYVALTDGLGNL TIIETMSHKHSHKCIKRPFLPYFNVSQQFATFVLKGSFSEIPELQVWYTKLGKTSERFLF KQLDSLWLLDSDGSFTLSLHEDELFTLTTLTGRKGSYPLPPKSQFPSTYKDDFNV

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DYPFFSEAPNFADQTVFEYFTNIEDPGEHHFTLRQVLNQRPIITWAADASNTISIIGD
YNWTNLTTKCDVYIETPDTGGVFIAGRVNKGILIRSARGIFFWIFANGSYRVTGDLA
GWIIYALGRVEVTAKKWYTLTLTIKGHFASGMLNDKSLWTDIPVNFPGNGWAAIGTH
SFEFAQFDNFRVEATR

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [GALC galactosylceramidase \[Homo sapiens \]](#)

Official Symbol [GALC](#)

Synonyms GALC; galactosylceramidase; galactosylceramidase (Krabbe disease); galactocerebrosidase; Krabbe disease; GALCERase; galactosylceraminidase; galactocerebroside beta-galactosidase; galactosylceramide beta-galactosidase;

Gene ID [2581](#)

mRNA Refseq [NM_000153](#)

Protein Refseq [NP_000144](#)

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MIM	606890
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UniProt ID	P54803
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