

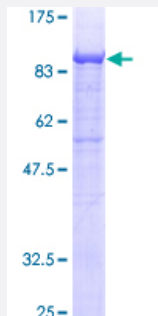
Full-Length

GALC (Human) Recombinant Protein (P01)

Catalog # H00002581-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GALC full-length ORF (AAH36518, 27 a.a. - 669 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

YVLDDSDGLGREFDGIGAVSGGGATSRLLVNYPEPYRSQILDYLFKPNFGASLHILKVEIGGDGQTT
DGTEPSHMHYALDGNYFRGYEWWLMKEAKKRNPNTLIGLPWSFPGWLKGFDWPYVNLQLTAY
YVVTWIVGAKRYHDLDDYIGIWNERSYNANYIKILRKMLNYQGLQRVKIIASDNLWESISASMLLDAE
LFKVVDVIGAHYPGTHSAKDAKL TGKKLWSSSEDFSTLNSDMGAGCWGRILNQNYINGYMTSTIAW
NLVASYEQLPYGRCGLMTAQEPWSGHYVVESPVWVSAHTTQFTQPGWYYLKTVGHLEKGGSY
VALTDGLGNLTIIETMSHKHSCIRPFLPYFNVSQQFATFVLKGSFSEIPELQVWYTKLGKTSEFL
FKQLDSLWLLSDGSFTLSLHEDELFTLTTLTGRKGSYPLPPKSQFPSTYKDDFNVDYPPFSE
APNFADQGTGVFEYFTNIEDPGEHHFTLRQVLNQRPIWAAADASNTISIIGDYNWTNLTTKCDVYIETP
DTGGVFIAGRVNKGGLIRSARGIFFWIFANGSYRVTDLAGWIIYALGRVEVTAKKWYTLTLTIKGHF
ASGMLNDKSLWTDIPVNF PKNGWAAIGTHSFEFAQFDNFRVEATR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.47

Interspecies Antigen Sequence

Mouse (83)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — GALC

Entrez GeneID	2581
GeneBank Accession#	BC036518
Protein Accession#	AAH36518
Gene Name	GALC
Gene Alias	-
Gene Description	galactosylceramidase
Omim ID	245200 606890
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	GALCERase OTTHUMP00000027906 galactocerebrosidase galactocerebroside beta-galactosidase galactosylceramide beta-galactosidase galactosylceraminidase

Pathway

- [Lysosome](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)