

Galactocerebrosidase (Galc) Recombinant Protein | Galc recombinant protein

Recombinant Mouse Galactocerebrosidase (Galc)

CATALOG # AAA233491	HOST Cell Free Expression
-------------------------------	-------------------------------------

PRODUCT SYNONYMS

Galactocerebrosidase (Galc); Recombinant Mouse Galactocerebrosidase (Galc); Galactocerebroside beta-galactosidase; Galactosylceramidase; Galactosylceramide beta-galactosidase; Galc recombinant protein

PRODUCT SPECIFICATIONS

Host	Cell Free Expression
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Liquid containing glycerol
Sequence Positions	43-684aa; Full Length of Mature Protein
Sequence	YVLDDSDGLG REFDGIGAVS GGGATSRLLV NYPEPYRSEI LDYLFKPNFG ASLHILKVEI GGDGQTTDGT EPSHMHYELD ENYFRGYEWW LMKEAKKRNPD IILMGLPWS FPGWLKGKFS WPYVNLQLTA YYVVRWILGA KHYHDLIDY IGIWNERPFD ANYIKELRKM LDYQGLQVRV IASDNLWEP ISSSLLDQE LWKVVDVIGA HYPGTYTAWN AKMSGKKLWS SEDFSTINSN VGAGCWSRIL NQNYINGNMT STIAWNLVAS YEEELPYGRS GLMTAQEPWS GHYVVASPIW VSAHTTQFTQ PGWYLLKTVG HLEKGGSYVA LTDGLGNLTI IETMSHQHS MCIRPYLPYY NVSHQLATFT LKGSLEIQE LQWYTKLGT PQRHLFKQL DTLWLLDGSF SFTLELEDE IFTLTTLTTG RKGSYPPPPS SKPFPTNYKD DFNVEYPLFS EAPNFADQTG VFEYMNED REHRFTLRQV LNQRPITWAA DASSTISVIG DHHWTNMTVQ CDVYIETPRS GGVFIAGRVN KGGILIRSAT GVFFWIFANG SYRVTADLGG WITYASGHAD VTAKRWYTLT LGIKGYFAFG MLNGTILWKN VRVKYPGHGW AAIGTHTFEF AQFDNFRVEA AR
Species	Mus musculus (Mouse)
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Galc recombinant protein	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.
Product Categories/Family for Galc recombinant protein	Cardiovascular; Transmembrane Protein
References	"Molecular cloning and expression of cDNA for murine galactocerebrosidase and mutation analysis of the twitcher mouse, a model of Krabbe's disease."Sakai N., Inui K., Tatsumi N., Fukushima H., Nishigaki T., Taniike M., Nishimoto J., Tsukamoto H., Yanagihara I., Ozono K., Okada S.J. Neurochem. 66:1118-1124(1996)

NCBI AND UNIPROT INFORMATION

NCBI GI #	93102411
NCBI GeneID	14420
NCBI Accession #	NP_032105.2
NCBI GenBank Nucleotide #	NM_008079.4
UniProt Accession #	P54818; O35151; Q3U3H7
Molecular Weight	73.1 kDa
NCBI Official Full Name	galactocerebrosidase
NCBI Official Synonym Full Names	galactosylceramidase
NCBI Official Symbol	Galc
NCBI Official Synonym Symbols	twi; Gacy; AW212969; AW413532; twitcher; 2310068B06Rik; A930008M05Rik
NCBI Protein Information	galactocerebrosidase
UniProt Protein Name	Galactocerebrosidase
UniProt Gene Name	Galc
UniProt Synonym Gene Names	GALCERase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/galc-recombinant-protein/233491>