

Recombinant Human GALC Protein, His-tagged

Cat. No. GALC-528H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GALC(Asp375~Asn535) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp375~Asn535
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	20.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
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
MIM	606890
UniProt ID	P54803

