Active Recombinant Human GALC, His-tagged

Cat. No. GALC-605H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GALC (Accession # NP_000144) Met1-Arg685, fused with a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	1-685 a.a.
Predicted N Terminal	Tyr43
Form	Supplied as a 0.2 μm filtered solution in MES, NaCl and Glycerol.
Bio-activity	Measured by its ability to cleave a fluorogenic substrate, 4-Methylumbelliferyl-beta -D-galactopyranoside.The specific activity is >550 pmol/min/ug, as measured under the described conditions.
Molecular Mass	Recombinant Human GALC, His-tagged has a calculated MW of 74 kDa. In SDS-PAGE migrates as 70-85 kDa, reducing conditions.
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3

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	months (-70ºC).

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
Chromosome Location	14q31

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