

Active Recombinant Human GALC, His-tagged

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

SPECIFICATION

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| 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 (4°C); After reconstitution under sterile conditions for 3 |

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months (-70°C).

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 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