

Recombinant Human GALM, His-tagged

Cat. No. GALM-27561TH Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant full length Human Mutarotase with N-terminal His tag; 362 amino acids, MWt 39.9 kDa. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 342 amino acids |
| Description | This gene encodes an enzyme that catalyzes the epimerization of hexose sugars such as glucose and galactose. The encoded protein is expressed in the cytoplasm and has a preference for galactose. The encoded protein may be required for normal galactose metabolism by maintaining the equilibrium of alpha and beta anomers of galactose. |
| Conjugation | HIS |
| Molecular Weight | 39.900kDa inclusive of tags |
| Form | Liquid |
| Purity | >95% by SDS-PAGE |
| Storage buffer | Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0 |

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| Storage | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Sequences of amino acids | <p>MGSSHHHHHHSSGLVPRGSHMASVTRAVFGELPSGGGTVEKFQLQSDLLRVDIIS WGCTITALEVKDRQGRASDVVLGFAELEGYLQKQPYFGAVIGRVANRIAKGTFKVD GKEYHLAINKEPNLSLHGGVVRGFDKVLWTPRVLSNGVQFSRISPDGEEGYPGELKVV VTYTLDGGELIVNYRAQASQATPVNLTNHSYFNLAGQASPNINDHEVTIEADTYLPVD ETLIPTGEVAPVQGTAFDLRKPVELGKHLQDFHLNGFDHNFCLKGSKEKHFCARVH HAASGRVLEVYTTQPGVQFYTGNFLDGTLKGKNGAVYPKHSGFCLETQNWPDAVN QPRFPPVLLRPGEEYDHTTWFKFSVA</p> |
| Sequence Similarities | Belongs to the aldose epimerase family. |
| GENE INFORMATION | |
| Gene Name | GALM galactose mutarotase (aldose 1-epimerase) [Homo sapiens] |
| Official Symbol | GALM |
| Synonyms | GALM; galactose mutarotase (aldose 1-epimerase); aldose 1-epimerase; aldose 1 epimerase; |
| Gene ID | 130589 |
| mRNA Refseq | NM_138801 |
| Protein Refseq | NP_620156 |
| MIM | 608883 |

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| Uniprot ID | Q96C23 |
| Chromosome Location | 2p22.3 |
| Pathway | Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem; |
| Function | aldose 1-epimerase activity; carbohydrate binding; isomerase activity; |

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