

Recombinant Human GALM, His-tagged

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

SPECIFICATION

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	MGSSHHHHHHSSGLVPRGSHMASVTRAVFGELPSGGGTVEKFQLQSDLLRVDIIS WGCTITALEVKDRQGRASDVVLGFAELEGYLQKQPYFGAVIGRVANRIAKGTFKVD GKEYHLAINKEPNLSLHGGVVRGFDKVLWTPRVLSNGVQFSRISPDGEEGYPGELKVV VTYTLDGGELIVNYRAQASQATPVNLTNHSYFNLAGQASPNINDHEVTIEADTYLPVD ETLIPTGEVAPVQGTAFDLRKPVELGKHLQDFHLNGFDHNFCLKGSKEKHFCARVH HAASGRVLEVYTTQPGVQFYTGNFLDGTLKGKNGAVYPKHSGFCLETQNWPDAVN QPRFPPVLLRPGEEYDHTTWFKFSVA
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

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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