

Recombinant Human GALM, His-tagged

Cat. No. GALM-13128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GALM protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-342a.a.
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.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM

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Imidazole and 0.7% Sarcosyl, 15%glycerol.

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; galactomutarotase; IBD1; BLOCK25;
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; galactose degradation I (Leloir pathway), organism-specific biosystem; sucrose degradation V (mammalian), organism-specific biosystem; sucrose degradation V (mammalian), conserved biosystem;
Function	aldose 1-epimerase activity; carbohydrate binding; isomerase activity;

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