

## Recombinant Human GALM, His-tagged

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

### SPECIFICATION

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

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Imidazole and 0.7% Sarcosyl, 15%glycerol.

## GENE INFORMATION

<b>Gene Name</b>	GALM galactose mutarotase (aldose 1-epimerase) [ Homo sapiens ]
<b>Official Symbol</b>	GALM
<b>Synonyms</b>	GALM; galactose mutarotase (aldose 1-epimerase); aldose 1-epimerase; aldose 1 epimerase; galactomutarotase; IBD1; BLOCK25;
<b>Gene ID</b>	130589
<b>mRNA Refseq</b>	NM_138801
<b>Protein Refseq</b>	NP_620156
<b>MIM</b>	608883
<b>UniProt ID</b>	Q96C23
<b>Chromosome Location</b>	2p22.3
<b>Pathway</b>	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;
<b>Function</b>	aldose 1-epimerase activity; carbohydrate binding; isomerase activity;

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