

## Product datasheet for **TP300995M**

### Mutarotase (GALM) (NM\_138801) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human galactose mutarotase (aldose 1-epimerase) (GALM), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200995 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MASVTRAVFGELPSGGGTVEKFQLQSDLLRVDIISWGCTITALEVKDRQGRASDVVLGFAELEGYLQKQP YFGAVIGRVANRIAKGTFKVDGKEYHLAINKEPNLSHGGVVRGFDKVLWTPRVLSNGVQFSRISPDGEEGY PGELKVVWVYTLDDGGELIVNYRAQASQATPVNLTNHSYFNLAGQASPNINDHEVTIEADTYLPVDETLP TGEVAPVQGTAFDLRKPVELGKHLQDFHLNGFDHNFCLKGSKEKHFCARVHHAASGRVLEVYTTQPGVQF YTGNFLDGTLLKGNKAVYKHSFGFCLETQNWPDVAVNQPFRFPVLLRPGEEYDHTTWFKFSVA
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	37.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_620156</a>
Locus ID:	130589



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UniProt ID: [Q96C23](#), [A0A384MDW6](#)

RefSeq Size: 2483

Cytogenetics: 2p22.1

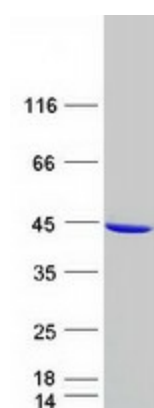
RefSeq ORF: 1026

Synonyms: BLOCK25; GALAC4; GLAT; HEL-S-63p; IBD1

**Summary:** 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.[provided by RefSeq, Mar 2009]

**Protein Pathways:** Glycolysis / Gluconeogenesis

### Product images:



Coomassie blue staining of purified GALM protein (Cat# [TP300995]). The protein was produced from HEK293T cells transfected with GALM cDNA clone (Cat# [RC200995]) using MegaTran 2.0 (Cat# [TT210002]).