

Product datasheet for **TP300995M**

Mutarotase (GALM) (NM_138801) Human Recombinant Protein

Product data:

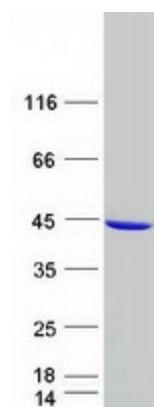
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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human galactose mutarotase (aldose 1-epimerase) (GALM), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200995 protein sequence Red =Cloning site Green =Tags(s) |
| | MASVTRAVFGELPSGGGTVEKFQLQSDLLRVDIISWGCTITALEVKDRQGRASDVVLGFAELEGYLQKQP YFGAVIGRVANRIAKGTFKVDGKEYHLAINKEPNSLHGGVRGFDKVLWTPRVLSNGVQFSRISPDGEEGY PGELKVVWVYTLDDGELIVNYRAQASQATPVNLTNHSYFNLAGQASPNINDHEVTIEADTYLPVDETLP TGEVAPVQGTAFDLRKPVELGKHLQDFHLNGFDHNFCLKGSKEKHFCARVHHAASGRVLEVYTTQPGVQF YTGNFLDGTGKNGAVYPKHSGFCLETQNWPDVNQPRFPPVLLRPGEEDHTTWKFSVA |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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: | <u>NP_620156</u> |
| Locus ID: | 130589 |



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|-------------------|---|
| UniProt ID: | <u>Q96C23</u> |
| 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]).