

**GALM, 1-342aa, Human, His tag, E.coli**

**Cat.NO.: TP02191**

3th Edition

**Synonyms:**Galactose mutarotase, Aldose 1-epimerase, BLOCK25, IBD1

**Description:**GALM (Galactose mutarotase), also known as Aldose 1-epimerase, is a key enzyme of carbohydrate metabolism catalysing the conversion of beta-D-galactose to alpha-D-galactose. This protein may be essential for normal galactose metabolism by maintaining the equilibrium of alpha and beta anomers of galactose.

**Form:**Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

**Molecular Weight:**39.9 kDa(362aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMASVTRAVFGELPSGGGTVEKFQLQSDLLRVDIISWGCTITALEVKDRQGRASDV  
VLGFAELEGYLQKQPYFGAVIGRVANRIAKGTFKVDGKEYHLAINKEPNSLHGGVVRGFDKVLWTPRVLSNGVQFSR  
ISPDGEEGYPGELKVWVTYTLGGELIVNYRAQASQATPVNLTNHSYFNLAGQASPNINDHEVTIEADTYLPVDETLI  
PTGEVAPVQGTAFDLRKPVELGKHLQDFHLNGFDHNFCLKGSKEKHFCARVHHAASGRVLEVYTTQPGVQFYTG  
FLDGTGKNGAVYPKHSGFCLETQNWPDVNQPRFPPVLLRPGEEYDHTTWFKFSVA

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.