

Product information



GALM, 1-342aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0620

Full name: Galctose mutarotase

NCBI Accession No.: NP_620156

Synonyms: Aldose 1-epimerase, BLOCK25, IBD1

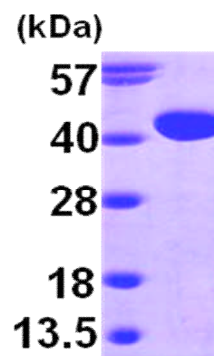
Description: GALM (Galactose mutarotase), also known as Aldose 1-epimerase, is a key enzyme of carbohydrate metabolism catalysing the conversion of beta-D-galactose to alpha-D-galactose. This protein may be essential for normal galactose metabolism by maintaining the equilibrium of alpha and beta anomers of galactose. Also it is required for the production of complex oligosaccharides. Recombinant human GALM, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

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

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

Purity: > 95% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MASVTRAVFG ELPSGGGTVE KFQLQSDLLR VDIISWGCTI TALEVKDRQG RASDVVLGFA ELEGYLQKQP
YFGAVIGRVA NRIAKGTFKV DGKEYHLAIN KEPNSLHGGV RGFQKVLWTP RVLNSGVQFS RISP DGEEGY PGELKVVWVY TLDGGELIVN
YRAQASQATP VNLTNHSYFN LAGQASPNIN DHEVTIEADT YLPVDETLIP TGEVAPVQGT AFDLRKPVEL GKHLQDFHLN GFDHNFCLKG
SKEKHFCARV HHAASGRVLE VYTTQPGVQF YTGNFLDGTL KGKNGAVYPK HSGFCLETQN WPDVAVNQPRF PPVLLRPGEY YDHTTWFKFS
VA

General references:

Ross AC., *et al.* (2007) *Biochemistry*. 46(51):15198-207

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Reece RJ., *et al* (2003) *FEBS Lett.* 543(1-3):21-4.

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.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.