
Product Data Sheet

Product Name: GALM Human
 Cat. No.: GP21654
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Aldose 1-epimerase; BLOCK25; IBD1; EC=5.1.3.3; GALM; galactose mutarotase.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MASVTRAVFG ELPSGGGTVE KFQLQSDLLR VDIISWGCTI TALEVKDRQG RASDVVLGFA ELEGYLQKQP YFGAVIGRVA NRIAKGTFKV DGKEYHLAIN KEPNSLHGGV RGFDKVLWTP RVLNSGVQFS RISPDGEEGY PGELKVVWV TY TLDGGELIVN YRAQASQATP VNLTNHSYFN LAGQASPNIN DHEVTIEADT YLPVDETLIP TGEVAPVQGT AFDLRKPVEL GKHLQDFHLN GFDHNFCLKG SKEKHFCARV HHAASGRVLE VYTTQPGVQF YTGNF LDGTL KGKNGAVYPK HSGFCLETQN WPD AVNQPRF PPVLLRPGEE YDHTTWFKFS VA.		
Formulation	GALM solution (1mg/ml) contains 20mM Tris-HCl (pH 8.0) and 10% glycerol.		

Introduction

GALM is a main enzyme of carbohydrate metabolism catalysing the translation of beta-D-galactose to alpha-D-galactose. GALM is needed for normal galactose metabolism by preserving the equilibrium of alpha and beta anomers of galactose. GALM is required for the production of complex oligosaccharides.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GALM Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 362 amino acids (1-342 a.a.) and having a molecular mass of 39.9 kDa. The GALM is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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