

GALM Human

Description: GALM Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 362 amino acids (1-342 a.a.) and having a molecular mass of 39.9 kDa. The GALM is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: ENPS-548

For research use only.

Synonyms: Aldose 1-epimerase, BLOCK25, IBD1, EC=5.1.3.3, GALM, galactose mutarotase.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MASVTRAVFG ELPSGGGTVE
KFQLQSDLLR VDIISWGCTI TALEVKDRQG RASDVVLGFA ELEGYLQKQP YFGAVIGRVA
NRIAKGTFKV DGKEYHLAIN KEPNSLHGGV RGFDKVLWTP RVLNSGVQFS RISPDGEEGY
PGELKVVVWVY TLDGGELIVN YRAQASQATP VNLNHSYFN LAGQASPNIN DHEVTIEADT
YLPVDETLIP TG

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

GALM Human solution containing 20mM Tris pH-8, & 10% glycerol.

Stability:

GALM Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.
Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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