

GALM Protein, Human, Recombinant (His)

General Information

Synonyms:	Aldose 1-Epimerase;Galactose Mutarotase;GALM
Protein Construction:	Ala2-Ala342
Species:	Human
Expression Host:	E. coli
Accession:	Q96C23
Molecular Weight:	34 KDa (reducing condition)
AA Sequence:	Ala2-Ala342

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Galactose Mutarotase (GALM) is a cytoplasmic enzyme that belongs to the Aldose Epimerase family. GALM is a Mutarotase that converts α -Aldose to the β -Anomer. GALM is active on D-Glucose, L-Arabinose, D-Xylose, D-Galactose, Maltose and Lactose. GALM may be required for normal Galactose metabolism by maintaining the equilibrium of α - and β - anomers of Galactose.

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