

# Recombinant Human GALM Protein (His Tag)

Catalog Number:PKSH032469



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

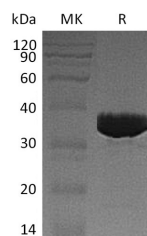
## Description

<b>Synonyms</b>	Aldose 1-Epimerase;Galactose Mutarotase;GALM
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ala2-Ala342
<b>Accession</b>	Q96C23
<b>Calculated Molecular Weight</b>	38.8 kDa
<b>Observed molecular weight</b>	34 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu\text{g}$ of the protein as determined by the LAL method.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at $-20^{\circ}\text{C}$ .
<b>Formulation</b>	Supplied as a $0.2\ \mu\text{m}$ filtered solution of PBS, pH7.4.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Galactose Mutarotase (GALM) is a cytoplasmic enzyme that belongs to the Aldose Epimerase family. GALM is a Mutarotase that converts  $\alpha$ -Aldose to the  $\beta$ -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  $\alpha$ - and  $\beta$ - anomers of Galactose.

## For Research Use Only

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