



# Recombinant Protein Technical Manual

## Recombinant Human GALM Protein (His Tag)

RPES4553

### Product Data:

**Product SKU:** RPES4553

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q96C23

### Protein Information:

**Molecular Mass:** 38.8 kDa

**AP Molecular Mass:** 34 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Aldose 1-Epimerase; Galactose Mutarotase; GALM

## Immunogen Information:

**Sequence:** Ala2-Ala342

## 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.