

## 32-7256: Recombinant Human Galactose Mutarotase/GALM (C-6His)

**Gene :** GALM  
**Gene ID :** 130589  
**Uniprot ID :** Q96C23

### Description

Source: E.coli.  
MW :38.8kD.

Recombinant Human Galactose Mutarotase is produced by our E.coli expression system and the target gene encoding Ala2-Ala342 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Supplied as a 0.2  $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.2.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** ASVTRAVFGELPSGGGTVEKFQLQSDLLRVDIISWGCTITALEVKDRQGRASDVVLGFAELEGYLQKQPYFGAV  
IGRVANRIAKGTFKVDGKEYHLAINKEPNSLHGGVGRGFDKVLWTPRVLSNGVQFSRISPDGEEGYPGELKVWVT  
YTLDDGELIVNYRAQASQATPVNLTNHSYFNLAGQASPNINDHEVTIEADTYLPVDETLIPTGEVAPVQGTAFDL  
RKPVELGKHLQDFHLNGFDHNFCLKGSKEKHFCARVHHAASGRVLEVYTTQPGVQFYTGNFLDGTLKGKNGA  
VYPKHSGFCLETQNWPDVAVNQPRFPVLLRPGEEYDHTTWFKFSVALEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.