

## Product datasheet for **AR09557PU-L**

### Aldose 1-epimerase (1-342, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Aldose 1-epimerase (1-342, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u><a href="#">MGSSHHHHHH SSGLVPRGSH</a></u> MASVTRAVFG ELPSGGGTVE KFQLQSDLLR VDIISWGCTI TALEVKDRQG RASDVLGFA ELEGYLQKQP YFGAVIGRVA NRIAKGTFKV DGKEYHLAIN KEPNSLHGGV RGFDKVLWTP RVLSNGVQFS RISP DGEEGY PGELKVVWVTY TLDGGELIVN YRAQASQATP VNLTNHSYFN LAGQASPNIN DHEVTIEADT YLPVDETLIP TGEVAPVQGT AFDLRKPVEL GKHLQDFHLN GFDHNFCLKG SKEKHFCARV HHAASGRVLE VYTTQPGVQF YTG NFLDGTL KGKNGAVYPK HSGFCLETQN WPD AVNQRPF PPVLLRP GEE YDHTTWFKFS VA
Tag:	His-tag
Predicted MW:	39.9 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GALM, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_620156</a></u>
Locus ID:	130589
UniProt ID:	<u><a href="#">Q96C23</a></u> , <u><a href="#">A0A384MDW6</a></u>
Cytogenetics:	2p22.1
Synonyms:	BLOCK25; GALAC4; GLAT; HEL-S-63p; IBD1



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**Summary:** This gene encodes an enzyme that catalyzes the epimerization of hexose sugars such as glucose and galactose. The encoded protein is expressed in the cytoplasm and has a preference for galactose. The encoded protein may be required for normal galactose metabolism by maintaining the equilibrium of alpha and beta anomers of galactose.[provided by RefSeq, Mar 2009]

**Protein Pathways:** Glycolysis / Gluconeogenesis

**Product images:**

