

## Product datasheet for **AR09578PU-L**

### Galactokinase 1 (1-392, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Galactokinase 1 (1-392, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAALRQPQVA ELLAEARRAF REEFGAEPPEL AVSAPGRVNL IGEHTDYNQG LVLPMALMLM TVLVGSPRKD GLVSLTTSE GADEPQRLQF PLPTAQRSLE PGTPRWANYV KGVIQYYPAA PLPGFSAVVV SSVPLGGGLS SSASLEVATY TFLQQLCPDS GTIAARAQVC QQAHSFAGM PCGIMDQFIS LMGQKGHALL IDCRSLETSL VPLSDPKLAV LITNSNVRHS LASSEYPVRR RQCEEVARAL GKESLREVQL EELEARDLV SKEGFRRARH VVGEIRRTAQ AAAALRRGDY RAFGRLMVES HRSLRDDYEV SCPELDQLVE AALAVPGVYG SRMTGGGFGG CTVTLLEASA APHAMRHIQE HYGGTATFYL SQAADGAKVL CL
Tag:	His-tag
Predicted MW:	44.4 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 20% glycerol, 0.1 M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GALK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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>NP_000145</u>
Locus ID:	2584
UniProt ID:	<u>P51570</u> , <u>V9HWE7</u>
Cytogenetics:	17q25.1



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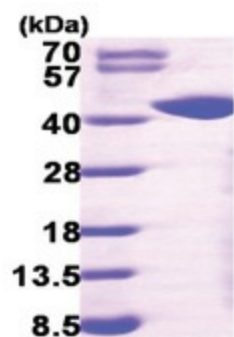
**Synonyms:** GALK; GK1; HEL-S-19

**Summary:** Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts during infancy and presenile cataracts in the adult population. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Amino sugar and nucleotide sugar metabolism, Galactose metabolism, Metabolic pathways

**Product images:**



15% SDS-PAGE (3ug)