

Product datasheet for **AR09292PU-L**

Galectin-4 (1-323, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Galectin-4 (1-323, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SGLVPRGSH</u> MAYVPAPGYQ PTYNPTLPYY QPIPGGLNVG MSVYIQGVAS EHMKRFFVNF VVGQDPGSDV AFHFNPRFDG WDKVVFNTLQ GKGWGSEERK RSMPFKKGAA FELVFIVLAE HYKVVVNGNP FYEYGHRLPL QMVTHLQVDG DLQLQSINFI GGQPLRPQGP PMMPYPGPG HCHQQLNSLP TMEGPPTFNP PVPYFGRLQG GLTARRTIII KGYVPPTGKS FAINFKVGSS GDIALHINPR MGNGTVVRNS LLNGSWGSEE KKITHNPFPG GQFFDLSIRC GLDRFKVYAN GQHLEDFADR LSAFQRVDTL EIQGDVTL SY VQI
Tag:	His-tag
Predicted MW:	38.1 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, 1 mM DTT
Bioactivity:	Specific: The ED50 for this effect is 10 – 20 ug/ml. Measured by its ability to agglutinate human red blood cells. Biological Assay : 1. Mix equal volumes of human blood and Alsever's solution (pH 7.0). (Alsever's solution: NaCl 0.42 g, Sodium citric acid 0.8g, Citric acid 0.055 g, D - glucose 2.05g in D W 100 ml) 2. Centrifuge at 15,000 rpm for 10 minutes and wash four times with PBS. 3. Dilute packed cells in a 0.5 mg/ml trypsin - EDTA solution to give 4% red cell suspension. 4. Incubate for 1 h r at 37°C and wash four times with PBS. 5 . Dilute packed cells in PBS to give 4% red cell suspension. 6 . Load 50ul of 0.5% BSA - in - 0.15M - NaCl solution and 25ul of 4% - Red - Cell - in - PBS in u shaped wells.
Preparation:	Liquid purified protein



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Protein Description:	Recombinant Galectin-4 protein, fused to His-tag, 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:	NP_006140
Locus ID:	3960
UniProt ID:	P56470 , Q6FHZ4
Cytogenetics:	19q13.2
Synonyms:	GAL4; L36LBP
Summary:	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer. [provided by RefSeq, Jul 2008]

Product images: