

Product datasheet for **AR09626PU-N**

Galectin-8 (1-317, His-tag) Human Protein

Product data:

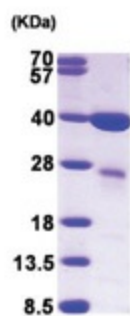
Product Type:	Recombinant Proteins
Description:	Galectin-8 (1-317, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MMLSLNNLQN IYNPVIPIV GTIPDQLDPG TLIVIRGHVP SDADRFQVDL QNGSSMKPRA DVAHFHNPFR KRAKGCVCNT LINEKWGREE ITYDTPFKRE KSFEIVIMVL KDKFQAVNG KHTLLYGHRI GPEKIDTLGI YGKVNHSIG FSFSSDLQST QASSLELTEI SRENVPKSGT PQLRLPFAAR LNTPMGPGRT VVKGEVNAN AKSFNVDLLA GKSKDIALHL NPRLNIKAFV RNSFLQESWG EEERNITSFP FSPGMYFEMI IYCDVREFKV AVNGVHSLEY KHRFKELSSI DTLEINGDIH LLEVRSW
Tag:	His-tag
Predicted MW:	37.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1 mM DTT, 10% glycerol
Bioactivity:	Biological: The ED50 for this effect is 5-10 µg/ml, measured by its ability to agglutinate human red blood cells. (Biological assay see "Protocols").
Preparation:	Liquid purified protein



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Applications:	<p>Protocol: Biological Assay :</p> <ol style="list-style-type: none">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 DW100 ml)2. Centrifuge at 15000 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 1h 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.7. Add 25ul of serial diluted galectin protein in PBS to each well plate . (Round bottom 96 well plate)8. Incubate for 30min at room temperature to observe visible agglutination.
Protein Description:	Recombinant human LGALS8 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:	NP_006490
Locus ID:	3964
UniProt ID:	O00214
Cytogenetics:	1q43
Synonyms:	Gal-8; PCTA-1; PCTA1; Po66-CBP
Summary:	<p>This gene encodes a member of the galectin family. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains. The galectins have been implicated in many essential functions including development, differentiation, cell-cell adhesion, cell-matrix interaction, growth regulation, apoptosis, and RNA splicing. This gene is widely expressed in tumoral tissues and seems to be involved in integrin-like cell interactions. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p>

Product images:



15% SDS-PAGE (3ug)