

Product datasheet for **AR09380PU-N**

Galectin-9 (1-148, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Galectin-9 (1-148, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAFSGSQAPY LSPAVPFSGT IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF HFNPRFEDGG YVCNTRQNG SWGPEERKTH MPFQKGMPPD LCFLVQSSDF KVMVNGILFV QYFHRVPFHR VDTISVNGSV QLSYISFQ
Tag:	His-tag
Predicted MW:	18.5 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 20% glycerol, 0.1 M NaCl
Bioactivity:	Biological: The ED50 for this effect is 1.25–5 ug/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 15000rpm 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 Galectin-9 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_001317092
Locus ID:	3965
UniProt ID:	O00182
Cytogenetics:	17q11.2
Synonyms:	HUAT; LGALS9A
Summary:	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The protein encoded by this gene is an S-type lectin. It is overexpressed in Hodgkin's disease tissue and might participate in the interaction between the H&RS cells with their surrounding cells and might thus play a role in the pathogenesis of this disease and/or its associated immunodeficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:

