

Product datasheet for AR09380PU-L

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

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	Galectin-9 (1-148, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MAFSGSQAPY LSPAVPFSGT IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF HFNPRFEDGG YVVCNTRQNG SWGPEERKTH MPFQKGMPFD 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 is 1.25–5 ug/ml, measured by its ability to agglutinate human red blood cells. (Biological assay see "Protocols").
Preparation:	Liquid purified protein



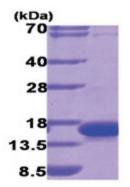
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Galectin-9 (1-148, His-ta

Galectin-9 (1-148, I	His-tag) Human	Protein – /	AR09380PU-L
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Applications:	 Protocol: 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 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:	<u>NP 001317092</u>
Locus ID:	3965
UniProt ID:	<u>000182</u>
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:



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