

Product datasheet for **AR50608PU-N**

Galectin-4 (1-326, His-tag) Mouse Protein

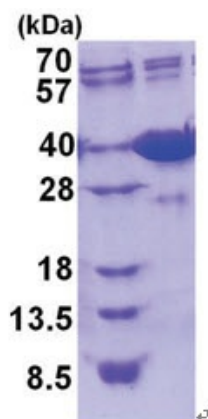
Product data:

Product Type:	Recombinant Proteins
Description:	Galectin-4 (1-326, His-tag) mouse recombinant protein, 0.25 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGSMAVVPAP GYQPTYNPTL PYKRPIPGGL SVGMSVYIQG MAKENMRRFH VNFAVGQDDG ADVAHFHFNPR FDGWDKVVFN TMQSGQWGKE EKKKSMPFQK GKHFELVMV MPEHYKVVVN GNSFYEYGHR LPVQMVTHLQ VDGDLQLSI NFLGGQPA PYPGAMTIPA YPAGSPGYNP PQMNTLPVMT GPPVFNPRVP YVGALQGGLT VVRTIIIKGY VLPTARNFVI NFKVGSSGDI ALHLNPRIGD SVRNSFMNG SWGAEERKVA YNPFPGQFF DLSIRCGMDR FKVFANGQHL FDFSHRFQAF QMVDLTLEING DITLSYVQI
Tag:	His-tag
Predicted MW:	38.8 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, 10% glycerol, 1 mM DTT
Bioactivity:	Biological: The ED50 for this effect is 3.9–7.8 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:	Protocol: Biological assay: <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.6 . Load 50 ul of 0.5% BSA - in - 0.15M - NaCl solution and 25ul of 4% Red cell - in - PBS in u shaped wells.7 . Add 25 ul of serial diluted galectin protein in PBS to each well plate. (Round bot tom 96 well plate).8 . Incubate for 30min at room temperature to observe visible agglutination.
Protein Description:	Recombinant mouse Lgals4 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 one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_034836
Locus ID:	16855
UniProt ID:	Q8K419 , Q3UL35
Cytogenetics:	7 16.94 cM
Synonyms:	gal-4
Summary:	Galectin that binds lactose and a related range of sugars.[UniProtKB/Swiss-Prot Function]

Product images:

15% SDS-PAGE (3ug)