

## Product datasheet for **AR50608PU-S**

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

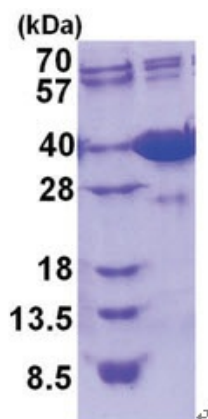
#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Galectin-4 (1-326, His-tag) mouse recombinant protein, 50 µg  |
| Species:                              | Mouse   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MGSMAVVPAP GYQPTYNPTL PYKRPIPGGL SVGMSVYIQG<br>MAKENMRRFH VNFAVGQDDG ADVAHFHFNPR FDGWDKVVFN TMQSGQWGKE EKKKSMPFQK<br>GKHFELVMV MPEHYKVVVN GNSFYEYGHR LPVQMVTHLQ VDGDLQLSI NFLGGQPA<br>PYPGAMTIPA YPAGSPGYNP PQMNTLPVMT GPPVFNPRVP YVGALQGGLT VVRTIIIKGY<br>VLPTARNFVI NFKVGSSGDI ALHLNPRIGD SVRNSFMNG SWGAEERKVA YNPFPGQFF<br>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<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT  |
| Bioactivity:                          | Biological:<br>The ED50 for this effect is 3.9–7.8 µg/ml, measured by its ability to agglutinate human red blood cells.<br>(Biological assay see "Protocols").  |
| Preparation:                          | Liquid purified protein   |



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|                             |  |
|-----------------------------|--|
| <b>Applications:</b>        | <b>Protocol: Biological assay:</b> <ol style="list-style-type: none"><li>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)</li><li>2. Centrifuge at 15000rpm for 10 minutes and wash four times with PBS.</li><li>3. Dilute packed cells in a 0.5 mg/ml trypsin - EDTA solution to give 4% red cell suspension.</li><li>4. Incubate for 1h at 37°C and wash four times with PBS.</li><li>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.</li><li>7 . Add 25 ul of serial diluted galectin protein in PBS to each well plate. (Round bot tom 96 well plate).</li><li>8 . Incubate for 30min at room temperature to observe visible agglutination.</li></ol> |
| <b>Protein Description:</b> | Recombinant mouse Lgals4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.  |
| <b>Storage:</b>             | 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.  |
| <b>Stability:</b>           | Shelf life: one year from despatch.  |
| <b>RefSeq:</b>              | <a href="#">NP_034836</a>  |
| <b>Locus ID:</b>            | 16855  |
| <b>UniProt ID:</b>          | <a href="#">Q8K419</a> , <a href="#">Q3UL35</a>  |
| <b>Cytogenetics:</b>        | 7 16.94 cM   |
| <b>Synonyms:</b>            | gal-4  |
| <b>Summary:</b>             | Galectin that binds lactose and a related range of sugars.[UniProtKB/Swiss-Prot Function]  |

**Product images:**

15% SDS-PAGE (3ug)