

## Product datasheet for **AR09297PU-L**

### Galectin-3 (1-250, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Galectin-3 (1-250, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MADNFS LHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGA P AGPLIVPYNL PLPGGVPRM LITILGTVKP NANRIALDFQ RGNDVAFHN PRFNENRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	28.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% pure by SDS – PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% Glycerol, 1 mM DTT, 0.1 M NaCl
<b>Bioactivity:</b>	Specific: The ED50 for this effect is less or equal to 15 µg/ml. Measured by its ability to agglutinate Human red blood cells.
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant Galectin-3 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<u>NP_001344607</u>
<b>Locus ID:</b>	3958
<b>Cytogenetics:</b>	14q22.3
<b>Synonyms:</b>	Mac-2, Lgals3, GAL3, GALBP, CBP35, L-31



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**Summary:**

This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]

**Protein Families:**

Secreted Protein

**Product images:**