

## Product datasheet for **AR09297PU-N**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Galectin-3 (1-250, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAAP AGPLIVPYNL PLPGGVPRM LITILGTVKP NANRIALDFQ RGNDVAFHFN PRFNENRRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI
Tag:	His-tag
Predicted MW:	28.3 kDa
Concentration:	lot specific
Purity:	>95% pure by SDS – PAGE
Buffer:	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
Bioactivity:	Specific: The ED50 for this effect is less or equal to 15 µg/ml. Measured by its ability to agglutinate Human red blood cells.
Preparation:	Liquid purified protein
Protein Description:	Recombinant Galectin-3 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_001344607</u>
Locus ID:	3958
Cytogenetics:	14q22.3
Synonyms:	CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2



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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:**