

Product datasheet for **AR52003PU-S**

LGALS3 (1-264, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	LGALS3 (1-264, His-tag) mouse protein, 10 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMADSFSL NDALAGSGNP NPQGYPGAWG NQPGAGGYPG AAYPGAYPGQ APPGAYPGQA PPGAYPGQAP PSAYPGPTAP GAYPGPTAPG AYPGSTAPGA FPGQPGAPGA YPSAPGGYPA AGPYGVPAGP LTVPYDLPLP GGVMRMLIT IMGTVKPNAN RIVLDFRRGN DVAHFHFNPRF NENRRRVIVC NTKQDNNWGK EERQSAPFPE SGKPFKIQVL VEADHFKVAV NDAHLLQYNH RMKNLREISQ LGISGDITLT SANHAMI
Tag:	His-tag
Predicted MW:	29.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1 mM DTT, 2 mM EDTA
Bioactivity:	Specific: The ED50 for this effect is equal or higher than 25 ug/ml. Measured by its ability to agglutinate human red blood cells.
Preparation:	Liquid purified protein
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_001139425
Locus ID:	16854
UniProt ID:	Q8C253
Cytogenetics:	14 C1
Synonyms:	Lectin, galactose binding, soluble 3, CBP35, GAL3, GALBP, GALIG, LGALS2, MAC2



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Summary:

LGALS3, also known as galectin 3, is a member of the family of animal lectins, which selectively binds beta-galactoside residues. This protein is secreted from cells by ectocytosis, which is independent of the classical secretory pathway through the endoplasmic reticulum/Golgi network. LGALS3 has been associated with the inhibition of apoptosis and the progression of cancer. It is normally distributed in epithelia of many organs, in various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation, cell proliferation, cell differentiation and through trans-activation by viral proteins. Recombinant mouse LGALS3 protein, used to His-tag at N-terminus, was expressed in E.coli and purified by using conventiol chromatography techniques.

Product images: