

Product datasheet for AR52003PU-N

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

Product data:

Product Type: Recombinant Proteins

Description: LGALS3 (1-264, His-tag) mouse protein, 50 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
EPGOPGAPGA YPSAPGGYPA AGPYGYPAGP LTYPYDL PLP GGYMPRMLIT IMGTYKPNAN

FPGQPGAPGA YPSAPGGYPA AGPYGVPAGP LTVPYDLPLP GGVMPRMLIT IMGTVKPNAN RIVLDFRRGN DVAFHFNPRF NENNRRVIVC NTKQDNNWGK EERQSAFPFE 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

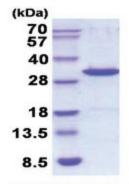




Summary:

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. Recombint mouse LGALS3 protein, used to His-tag at N-terminus, was expressed in E.coli and purified by using conventiol chromatography techniques.

Product images:



15% SDS-PAGE (3ug)