

Galectin-3 Active Protein | LGALS3 active protein

Recombinant Human Galectin-3

CATALOG # AAA38591	HOST E Coli
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PRODUCT SYNONYMS

Galectin-3; Recombinant Human Galectin-3; LGALS3 Human; Galectin-3 Human Recombinant; GAL3; MAC2; CBP35; GALB; GALIG; LGALS2; LGALS3; Galactose-specific lectin 3; Mac-2 antigen; IgE-binding protein; 35 kDa lectin; Carbohydrate-binding protein 35; CBP 35; Laminin-binding protein; Lectin L-29; L-31; Galactoside-binding protein; GALBP; LGALS3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 97.0% as determined by analysis by SDS-PAGE and HPLC.
Form/Format	The Galectin-3 protein was lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4 and 3mM DTT. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAP AGPLIVPYNL PLPGGVVPRM LITILGTVKP NANRIALDFQ RGNDVAFHFN PRFNENNRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI
Sequence Length	250
Solubility	It is recommended to reconstitute the lyophilized LGALS3 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by its ability to agglutinate human red blood cells is less than 10 ug/ml.
Preparation and Storage	Lyophilized Galectin-3 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Galectin-3 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for LGALS3 active protein	Description: LGALS3 Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 249 amino acids and having a molecular mass of 26kDa. The LGALS3 is purified by proprietary chromatographic techniques. Introduction: Galectin-3 mediates with the alpha-3, beta-1 integrin the stimulation by cspg4 of endothelial cells migration. Galectin-3 plays an necessary part during the acquisition of vasculogenic mimicry and angiogenic properties associated with melanoma progression. LGALS3 overexpression is highly expressed in early stages of papillary carcinoma, and its expression intensity declines during tumor progression. Serum levels of LGALS3 are high in patients with thyroid malignancy but there is considerable overlap in serum LGALS3 concentrations between those with benign and malignant nodular thyroid disease. LGLAS3 takes part as an immune regulator to inhibit T-cell immune responses and promote tumor growth, as a result providing a new mechanism for tumor immune tolerance.
Product Categories/Family for LGALS3 active protein	Cytokines and Growth Factors; Growth Factors; Galectin

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430223
NCBI GeneID	3958
NCBI Accession #	NP_002297.2
NCBI GenBank Nucleotide #	NM_002306.3
UniProt Accession #	P17931; Q16005; Q6IBA7; Q96J47; B2RC38
Molecular Weight	26,152 Da
NCBI Official Full Name	galectin-3 isoform 1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 3
NCBI Official Symbol	LGALS3
NCBI Official Synonym Symbols	L31; GAL3; MAC2; CBP35; GALBP; GALIG; LGALS2
NCBI Protein Information	galectin-3; 35 kDa lectin; IgE-binding protein; MAC-2 antigen; carbohydrate-binding protein 35; galactose-specific lectin 3; laminin-binding protein; lectin L-29
UniProt Protein Name	Galectin-3
UniProt Gene Name	LGALS3
UniProt Synonym Gene Names	MAC2; Gal-3; CBP 35; GALBP
UniProt Entry Name	LEG3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-lgals3-active-protein/galectin-3/38591>