

Galectin-1 Active Protein | LGALS1 active protein

Human Galectin-1

CATALOG # AAA79251	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

Galectin-1; Human Galectin-1; Recombinant Human Galectin-1; LGALS1 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE and HPLC analyses
Form/Format	Lyophilized
Sequence	ACGLVASNLN LKPGECRLVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC NSKDGGAWGT EQREAVFPFQ PGSVAEVCIT FDQANLTVKL PDGYEFKFPN RLNLEAINYM AADGDFKIKC VAFD
Sequence Length	134
Endotoxin Level	< 0.1 ng/ug of protein (<1EU/ug).
Biological Activity	Determined by its ability to chemoattract human blood monocytes. Chemotactic activity was observed at a concentration of 2.5 ug/ml with a peak response obtained at 250 ug/ml.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0mg/ml. Do not vortex. This solution can be stored at 2-8 degree C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20 to -80 degree C.
Preparation and Storage	Thy lyophilized protein is stable at room temperature for 1 month and at 4 degree C for 6 months. Reconstituted working aliquots are stable for 1 week at 2-8 degree C and for 3 months at -20 degree to -80 degree C.

ADDITIONAL INFORMATION

Related Product Information for LGALS1 active protein	Lectins, of either plant or animal origin, are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells. The Galectins are lectins that recognize and interact with beta-galactoside moieties. Galectin-1 is an animal lectin that has been shown to interact with CD3, CD4, and CD45. It induces apoptosis of activated T-cells and T-leukemia cell lines and inhibits the protein phosphatase activity of CD45. Recombinant human Galectin-1 is a 14.5 kDa protein containing 134 amino acid residues.
Product Categories/Family for LGALS1 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305.3
UniProt Accession #	P09382 ; Q9UDK5 ; B2R5E8

Molecular Weight	14.5 kDa
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1; HBL; HPL; gal-1; HLBP14; galaptin; galectin 1; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; 14 kDa laminin-binding protein; putative MAPK-activating protein PM12; beta-galactoside-binding lectin L-14-I; beta-galactoside-binding protein 14kDa
UniProt Protein Name	Galectin-1
UniProt Gene Name	LGALS1
UniProt Synonym Gene Names	Gal-1; HLBP14
UniProt Entry Name	LEG1_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-human-active-protein/galectin-1/79251>