

Galectin-4 Recombinant Protein | LGALS4 recombinant protein

Recombinant Human Galectin-4

CATALOG # AAA38676	HOST E Coli
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PRODUCT SYNONYMS

Galectin-4; Recombinant Human Galectin-4; LGALS4 Human; Galectin-4 Human Recombinant; Gal-4; Lactose-binding lectin 4; L-36 lactose-binding protein; L36LBP; Antigen NY-CO-27; LGALS4; lectin galactoside-binding soluble 4; GAL4; LGALS4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The LGALS4 protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT and 10% glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHHHHH SSGLVPRGSH MAYVPAPGYQ PTYNPTLPYY QPIPGGLNVG MSVYIQGVAS EHMKRFFVNF VVGQDPGSDV AFHFNPRFDG WDKVVFNTLQ GGKWGSEERK RSMPPFKGAA FELVFIVLAE HYKVVVNGNP FYEYGHRLPL QMVTHLQVDG DLQLQSINFI GGQPLRPQGP PMMPYPGPG HCHQQLNSLP TMEGPPTFNP PVPYFGRLQG GLTARRTIII KGYVPPTGKS FAINFKVGSS GDIALHINPR MGNGTVVRNS LLNGSWGSEE KKITHNPFPG QQFFDLSIRC GLDRFKVYAN GQHLFDFAHR LSAFQRVDTL EIQGDVTL SY VQI
Sequence Length	323
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for LGALS4 recombinant protein	Description: Galectin-4 produced in E Coli is a single, non-glycosylated polypeptide chain containing 343 amino acids (1-323 a.a.) and having a molecular mass of 38.1kDa. Galectin-4 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: Galectin-4 is a member of the subfamily of galectins composed of two carbohydrate recognition domains having similar peptide chains. The galectins are a family of beta-galactoside-binding proteins having a role in modulating cell-cell and cell-matrix interactions, which inhibits chronic inflammations, GVHD, and allergic responses. LGALS4 expression is limited to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer. LGALS4 binds as an endogenous ligand to glycosphingolipids having 3-O-sulfated Gal residues and bind as well to cholesterol-3-sulfate. LGALS4 takes part in cell adhesion. LGALS4 plays a role in crosslinking the lateral cell membranes of the surface-lining epithelial cells, thus supporting epithelial integrity against mechanical stress exerted by the bowel lumen. LGALS4 is in charge of intestinal inflammation via selective regulation of peripheral and mucosal T-cell cell cycle, in addition to cell death by apoptosis of T-cells by a pathway independent of the activation of caspases. LGALS4 blockade decreases TNF-alpha inhibitor induced T-cell death. LGALS4 decreases pro-inflammatory cytokine secretion including IL-6 & IL-17.
Product Categories/Family for LGALS4 recombinant protein	Cytokines and Growth Factors; Growth Factors; Galectin

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453712
NCBI GeneID	3960

NCBI Accession #	NP_006140.1
NCBI GenBank Nucleotide #	NM_006149.3
UniProt Accession #	P56470
Molecular Weight	35,941 Da
NCBI Official Full Name	galectin-4
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 4
NCBI Official Symbol	LGALS4
NCBI Official Synonym Symbols	GAL4; L36LBP
NCBI Protein Information	galectin-4; L-36 lactose-binding protein; antigen NY-CO-27; gal-4; galectin 4; lactose-binding lectin 4
UniProt Protein Name	Galectin-4
UniProt Gene Name	LGALS4
UniProt Synonym Gene Names	Gal-4; L36LBP
UniProt Entry Name	LEG4_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/lgals4-recombinant-protein-e-coli/38676>