

Galectin-7 Recombinant Protein | LGALS7 recombinant protein

Recombinant Human Galectin-7 His Tag

CATALOG # AAA38763	HOST E Coli
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PRODUCT SYNONYMS

Galectin-7; Recombinant Human Galectin-7 His Tag; LGALS7 Human; His; Galectin-7 Human Recombinant; His Tag; Gal-7; HKL-14; PI7; p53-induced gene 1 protein; LGALS7; PIG1; LGALS7B; GAL7; LGALS7A; LGALS7 His; LGALS7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The Galectin-7 solution (1 mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMSN VPHKSSLPEG IRPGTVLRIR GLVPPNASRF HVNLLCGEEQ GSDAALHFNP RLDTSEVFN SKEQGSWGRE ERGPGVPFQR GQPFEVLIIA SDDGFKAVVG DAQYHHFRHR LPLARVRLVE VGGDVQLDSV RIF
Sequence Length	136
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 LGALS7 recombinant protein	Description: Galectin-7 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 156 amino acids (1-136 a.a.) and having a molecular mass of 17.2kDa. The Galectin-7 is purified by proprietary chromatographic techniques. Introduction: Galectins are a family of animal lectins with an affinity for beta-galactosides. This family has at least 14 identified members. Galectins share similarities in the CRD (the carbohydrate recognition domain). Galectins are synthesized as cytosolic proteins. Though localized principally in the cytoplasm and lacking a classical signal peptide, galectins can also be stimulated to secretion by non-classical pathways or alternatively targeted to the nucleus. Galectins are involved in modulating cell-cell and cell-matrix interactions. Human Galectin-7 belongs to the prototypical Galectins containing a single CRD, which is initially identified in human epidermis as a monomer. The Galectin-7 expression is induced by tumor suppressor protein p53 and associated with apoptosis. Galectin-7 is a pro-apoptotic protein which functions intracellularly upstream of JNK activation and mitochondrial cytochrome c release. The correlation of Galectin-7 with the UV-induced apoptosis of keratinocytes presents a critical mechanism in the maintenance of epidermal homeostasis. Human Galectin-7 is localized in both nucleus and cytoplasm.
Product Categories/Family for LGALS7 recombinant protein	Cytokines and Growth Factors; Growth Factors; Galectin

NCBI AND UNIPROT INFORMATION

NCBI GI #	109948279
NCBI GeneID	653499
NCBI Accession #	NP_001035972.1

NCBI GenBank Nucleotide #	NM_001042507.3
UniProt Accession #	P47929 ; Q6IB87
Molecular Weight	15,075 Da
NCBI Official Full Name	galectin-7
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 7B
NCBI Official Symbol	LGALS7B
NCBI Official Synonym Symbols	PI7; GAL7; Gal-7; HKL-14; LGALS7
NCBI Protein Information	galectin-7; galectin 7B; galectin-7B; keratinocyte lectin 14; lectin galactoside-binding soluble 7; p53-induced gene 1 protein; p53-induced protein 1
UniProt Protein Name	Galectin-7
UniProt Gene Name	LGALS7
UniProt Synonym Gene Names	PIG1; Gal-7
UniProt Entry Name	LEG7_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/lgals7-recombinant-protein-e-coli/38763>