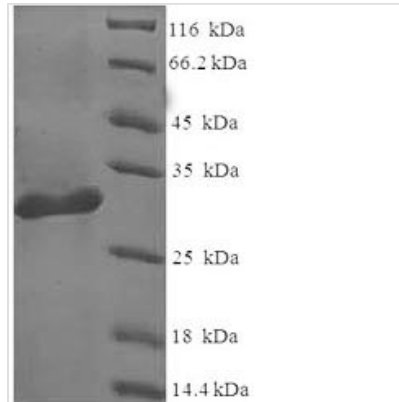




Recombinant Human Galectin-1 (LGALS1)

Product Code	CSB-EP012882HU
Relevance	May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.
Abbreviation	Recombinant Human LGALS1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P09382
Alias	14 kDa laminin-binding protein ;HLBP1414 kDa lectin;Beta-galactoside-binding lectin L-14-IGalaptinHBLHPLLactose-binding lectin 1Lectin galactoside-binding soluble 1;Putative MAPK-activating protein PM12S-Lac lectin 1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	ACGLVASNLNLKPGECLRVGRGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAH GDANTIVCNSKDGGAWGTEQREAVFPFQPGSVAEVCITFDQANLTVKLPGDY EFKFPNRLNLEAINYMAADGDFKIKCVAFD
Research Area	Cell Biology
Source	E.coli
Target Names	LGALS1
Expression Region	2-135aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	30.6kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Discover the versatility of our Recombinant Human LGALS1 protein for your cell biology research. Galectin-1, encoded by the LGALS1 gene, is a well-conserved protein with diverse functions in cell adhesion, cell growth, differentiation, apoptosis, and immune response. This protein plays a significant role in several biological processes, making it an essential target for various fields of study.

Our Recombinant Human LGALS1 protein is expressed in an E.coli system, ensuring a high-quality full-length protein that covers the 2-135aa region of the mature protein. The N-terminal 6xHis-SUMO-tag enables efficient protein purification, guaranteeing a reliable and consistent product for your experiments. With a purity greater than 90% as determined by SDS-PAGE, our Recombinant Human LGALS1 protein ensures accuracy and reliability in your research. Choose between liquid or lyophilized powder forms to suit your laboratory needs and advance your cell biology studies with confidence.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.