

Galectin-4/LGALS4/GAL4/L36LBP, Human, Recombinant

Cat. No. : PCK299

General Information

Synonyms	LGALS4;GAL4;L36LBP
Species	Human
Expression host	E.coli
Sequence	AYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNFVVGQDPGSDVAFH FNPRFDGWDKVVFNLTQGGKWGSEERKRSMPFKKGA AFELVFIVLAEHYKVVVNGNPFYEYG HRLPLQMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMPPYPGPGHCHQQLNSLPTMEGPP TFNPPVPYFGRLQGGLTARRTIIKGYVPPTGKSFAINFKVGSSGDIALHINPRMGNGTVVRNSL LNGSWGSEEKKITHNPFPGQFFDLSIRCLDRFKVYANGQHFLDFAHRLSAFQRVDTLEIQG DVTLSYVQI with polyhistidine tag at the N-terminus.
Accession	P56470.1
Tag	His-tag at the N-terminus
Mol mass	36.8 kDa
Expiration date	12 months
Bio activity	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is < 8 µg/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography
Endotoxin (EU/µg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer. Galectin-4 is a protein that in humans is encoded by the LGALS4 gene. LGALS4 is an S-type lectin that is strongly underexpressed in colorectal cancer.

SDS-PAGE

