

Galectin-3/LGALS3, Human, Recombinant

Cat. No. : PCK286

General Information

Synonyms	IgE-binding protein;MAC2;L-29;CPB-35
Species	Human
Expression host	E.coli
Sequence	ADNFSLHDALSGSGNPNPQGWPGAWGNQPAGAGGYPGASYPGAYPGQAPPGAYPGQAPP GAYPGAPGAYPGAPAGVYPGPPSGPGAYPSSGQPSATGAYPATGPYGAAGPLIVPYNLPL PGGVVPRMLITILGTVKPNANRIALDFQRGNDVAFHFNPRFNENNRVIVCNTKLDNNWGREE RQSVFPFESGKPFKIQVLVEPDHFKVAVNDAHLLQYNHRVKKLNEISKLGISGDIDLTASYSYTM with polyhistidine tag at the N-terminus.
Accession	P17931.5
Tag	His-tag at the N-terminus
Mol mass	27 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	> 95% 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

Galectin-3 is a protein that in humans is encoded by the LGALS3 gene. Galectin-3 is a member of the lectin family, of which 14 mammalian galectins have been identified. This protein has been shown to be involved in the following biological processes: cell adhesion, cell activation and chemoattraction, cell growth and differentiation, cell cycle, and apoptosis. Besides, Galectin-3 associates with the primary cilium and modulates renal cyst growth in congenital polycystic kidney disease.

SDS-PAGE

