

Galectin-10/Gal-10/LGALS10, Human, Recombinant

Cat. No. : PCK301

General Information

Synonyms	GAL10;Gal-10;LGALS10;LGALS10A;LPPL_HUMAN
Species	Human
Expression host	E.coli
Sequence	SLLPVPTYEAASLSTGSTVTIKGRPLACFLNEPYLQVDFHTEMKEESDIVFHFQVCFGRRVVMN SREYGAWKQQVESKNMPFQDQGFEFELSISVLPDKYQVMVNGQSSYTFDHRIKPEAVKMQV WRDISLTKFNVSYLKR with polyhistidine tag at the N-terminus.
Accession	Q05315.3
Tag	His-tag at the N-terminus
Mol mass	16.31 kDa
Expiration date	12 months

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

Galectin-10 (also called Charcot-Leyden Crystal protein) is a 16 kDa member of the galectin family of β-Galactoside binding proteins that bind to S-type animal lectins, is expressed solely in eosinophilic and basophilic leukocytes. This protein regulates immune responses through the recognition of cell-surface glycans. Essential for the anergy and suppressive function of CD25-positive regulatory T-cells.

SDS-PAGE