

Galectin-1 Human Recombinant

Item Number	rAP-2252
Synonyms	Galectin-1, GAL1, GAL-1, Lectin galactoside-binding soluble 1, Beta-galactoside-binding lectin L-14-I, Lactose-binding lectin 1, S-Lac lectin 1, Galaptin, 14 kDa lectin, HPL, HBL, Putative MAPK-activating protein PM12, GBP, DKFZp686E23103.
Description	LGALS1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 135 amino acids and having a molecular mass of 14.7kDa. The LGALS1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P09382
Amino Acid Sequence	MACGLVASNL NLKPGECLRV RGEVAPDAKS FVLNLGKDSN NLCLHFNPRF NAHGDANTIV CNSKDG-GAWG TEQREAVFPF QPGSVAEVC I TFDQANLTVK LPDGYEFKFP NRLNLEAINY MAADGDFKIK CVAFD.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Galectin-1 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Galectin-1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	The Galectin-1 protein was lyophilized from a concentrated (1mg/ml) containing 10mM sodium phosphate, pH-7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized LGALS1 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity of Human Galectin-1 which is determined by the ability to induce chemotaxis of human THP-1 cells is detectable starting at 100ng/ml, corresponding to a specific activity of 1.0x10 ⁴ units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**