



Galectin-7 Human Recombinant

Item Number	rAP-2244
Synonyms	Galectin-7, Gal-7, HKL-14, PI7, p53-induced gene 1 protein, LGALS7, PIG1, LGALS7B, GAL7, LGALS7A.
Description	Galectin-7 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 135 amino acids and having a molecular mass of 15kDa. The LGALS7 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P47929
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ser-Asn-Val-Pro-His.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized LGALS7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Galectin-7 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	LGALS7 was lyophilized from a concentrated (1mg/ml) solution in 20mM PBS, pH 7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Galectin-7 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 of Galectin-7 as determined by hemagglutination test is 0.75~3 µg/ml.
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**