

Galectin-8 Human Recombinant

Item Number	rAP-2245
Synonyms	Galectin-8, Gal-8, Po66 carbohydrate-binding protein, Po66-CBP, Prostate carcinoma tumor antigen 1, PCTA-1, LGALS8.
Description	Galectin-8 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 317 amino acids and having a molecular mass of 35.8kDa. The LGALS8 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O00214
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Met-Leu-Ser-Leu.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized LGALS8 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Galectin-8 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	LGALS8 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-8 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ of Galectin-8 as determined by its ability to agglutinate human red blood cells is 0.8~4 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**