



## Recombinant Human Galectin-1

## Datasheet

**Catalog Number:** PR27143

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** ACGLVASNLN LKPGECLRVR GEVAPDAKSF VLNLGKDSNN LCLHFNPRFN AHGDANTIVC NSKDGGAWGT EQREAVFPFQ PGSVAEVCIT FDQANLTVKL PDGYEFKFPN RNLNLEAINYM AADGDFKIKC VAFD.

**Description/Molecular Mass:** LGALS1 Human Recombinant produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 134 amino acids and having a molecular mass of 14.5 kDa. The LGALS1 is purified by proprietary chromatographic techniques.

**Protein Content:** UV spectroscopy at 280 nm using the absorbency value of 0.59 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program c protein sequences (IntelliGenetics).

**Purity:** Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

**Biological Activity:** Human Galectin-1 is a chemoattractant for human blood monocytes. ED<sub>50</sub> range is from 0.05–3.0 ug/ml corresponding to a specific activity of 0.3-20MIU/mg.

**Format:** The Galectin-1 protein was lyophilized from a concentrated (1mg/ml) containing 10mM sodium phosphate buffer, pH-7.5.

**Reconstitution:** It is recommended to reconstitute the lyophilized LGALS1 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Storage:** 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.**

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