

RPPB0273

Product Information Protein Information

Product SKU:

RPPB0273

Accession:

P09382

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:

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

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized LGALS1 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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.

Amino Acid Sequence:

MACGLVASNL NLKPGELRV RGEVAPDAKS FVLNLGKDSN NLCLHFNPRF NAHGDANTIV CNSKDGGAWG TEQREAVFPF QPGSVAEVC I TFDQANLTVK LPDGYEFKFP NRLNLEAINY MAADGDFKIK CVAFD.

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 1.0x10⁴ units/mg.