Product information

LGALS1, 1-135aa

Mouse, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1778

Full name: Galectin-1

NCBI Accession No.: NP_032521

Synonyms: AA410090; Gal-1; Galbp; galectin-1; L-14.5; L14; Lect14

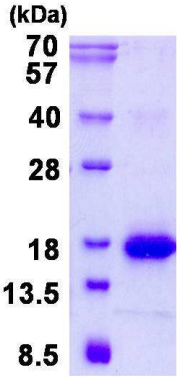
Description: LGALS1 is a member of the beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This protein is an autocrine negative growth factor that regulates cell proliferation. It controls cell survival by inducing apoptosis of activated T cells and immature thymocytes, thus LGALS1 has immunosuppressive and anti-inflammatory properties. LGALS1 also regulates tumor angiogenesis and is a target for angiostatic cancer therapy. Recombinant mouse LGALS1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Molecular Weight: 17 kDa (159aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSHMACGLV ASNLNLKPGE CLKVRGEVAS DAKSFVLNLG KDSNNLCLHF NPRFNAHGDA NTIVCNTKED GTWGTEHREP AFPFQPGSIT EVCITFDQAD LTIKLPDGHE FKFPNRLNME AINYMAADGD FKIKCVAFE

General references:

Ilarregui JM., et al. (2009). *Nat Immunol*. 10(9):981-91.

Gauthier L., *Proc Natl Acad Sci U S A.* 2002 Oct 1;99(20):13014-9.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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