

**Galectin-1, 1-135 aa, Human, Recombinant, E.coli**

**Cat.NO.: TP02186**

3th Edition

**Synonyms:** GAL1, GBP, LGALS1, S-Lac lectin1, galaptin, lactose-binding lectin 1

**Description:** Galectin-1 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 Galectin-1 has immunosuppressive and anti-inflammatory properties.

**Form:** Liquid. In 20 mM Tris-HCl (pH 7.5) containing 10% glycerol

**Molecular Weight:** 14.7 kDa (135aa)

**Sequences:**

MACGLVASNLNLKPGELRVRGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNSKDGGAWGTEQR  
EAVFPFQPGSVAEVCITFDQANLTVKLPDGYEFKFPNRLNLEAINYMAADGDFKIKCVAFD

**Purity:** > 95% by HPLC

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

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**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.