

Galectin-4, 1-323 aa, Human, His-tag, E.coli

Cat.NO.: TP02188

3th Edition

Synonyms:LGALS4, GAL4, L36LBP, Lactose-binding lectin 4

Description:Galectin-4 belongs to a subfamily of galectins composed of two carbohydrate recognition domains within the same peptide chain. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions, which inhibits chronic inflammations, GVHD, and allergic reactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT.

Molecular Weight:38.1 kDa (343aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMAYVPAPGYQPTYNPTLPYYQPIPGGLNVGMSVYIQGVASEHMKRFFVNPFVVGQ
DPGSDVAFHFNPRFDGWDKVVFNLTQGGKWGSEERKRSMPFKKGAFAELVFIVLAEHYKVVVNGNPFYEYGHRL
PLQMVTHLQVDGDLQLQSINFIGGQPLRPQGPPMPPYPGPGHCHQQLNSLPTMEGPPTFNPPVPYFGRLQGGL
TARRTIIIKGYVPPTGKSFAINFKVGSSGDIALHINPRMGNGTVVRNSLLNGSWGSEEKKITHNPFGPGQFFDLSIRC
GLDRFKVYANGQHLLDFAHRLSAFQRVDTLEIQGDVTL SYVQI

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.