

Lgals4, 1-326aa, Mouse, His tag, E.coli

Cat.NO.: TP02814

3th Edition

Synonyms:Galectin-4, gal-4

Description:Lgals4, also known as galectin4, 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 0.1M NaCl, 10% glycerol, 1mM DTT

Molecular Weight:38.8kDa (349aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMAYVPAPGYQPTYNPTLPYKRPIPGGLSVGMSVYIQGMAKENMRRFHVNF
AVGQDDGADVAHFHNPRFDGWDKVVFNMQSGQWGKEEKKKSMFPQKKGKHFELVFMVMPPEHYKVVVNGNSFY
EYGHRLPVQMVTHLQVDGDLQLSINFLGGQPAAPYPGAMTIPAYPAGSPGYNPPQMNTLPVMTGPPVFNPRVP
YVGALQGGGLTVRRTIIIKGYVLPARNFVINFKVGSSGDIALHLNPRIGDSVVRNSFMNGSWGAEERKVAYNPFPGP
QFFDLSIRCGMDRFKVFANGQHLDFSHRFQAFQMVDLTLEINGDITLSYVQI

Purity:> 95% by HPLC

Concentration:0.5 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.