

Galectin-3, 1-250aa, Human, His-tag, E.coli

Cat.NO.: TP02187

3th Edition

Synonyms:CBP35, GAL3, GALBP, GALIG, LGALS2, MAC2.

Description:Galectin-3 is a member of the family of animal lectins, which selectively binds beta-galactoside residues. This protein is secreted from cells by ectocytosis, which is independent of the classical secretory pathway through the endoplasmic reticulum/Golgi network. Galectin-3 has been associated with the inhibition of apoptosis and the progression of cancer. It is normally distributed in epithelia of many organs, in various inflammatory cells, including macrophages, as well as dendritic cells and Kupffer cells.

Form:Liquid. 20 mM Tris-HCl buffer,(pH8.0), 10% Glycerol, 1mM DTT, 0.1M NaCl.

Molecular Weight:28.3 kDa (270aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMADNFSLHDALSGSGNPNPQGWPAGWGNQPAGAGGYPGASYPGAYPGQAPP
GAYPGQAPPGAYPGAPGAYPGAPAGVYPGPPSGPGAYPSSGQPSATGAYPATGPYGAPAGPLIVPYNLPLPGG
VVPRMLITILGTVKPNANRIALDFQRGNDVAFHFNPRFNENRRVIVCNTKLDNNWGREERQSVFPFESGKPFKIQV
LVEPDHFKVAVNDAHLLQYNHRVKKLNEISKLGISGDIDLTSA SYTMI

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.