

LGALS3, 1-264 aa, mouse, His tag, E.coli

Cat.NO.: TP02812

3th Edition

Synonyms:Lectin, galactose binding, soluble 3, CBP35, GAL3, GALBP, GALIG, LGALS2, MAC2.

Description:LGALS3, also known as 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. LGALS3 has been associated with the inhibition of apoptosis and the progression of cancer.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 1mM DTT, 2mM EDTA

Molecular Weight:29.8 kDa (287aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMADSFSLNDALAGSGNPNPQGYPGAWGNQPGAGGYPGAAYPGAYPGQA
PPGAYPGQAPPAYPGQAPPSAYPGPTAPGAYPGPTAPGAYPGSTAPGAFPGQPGAPGAYPSAPGGYPAAGPY
GVPAGPLTVPYDLPLPGGVMPRMLITIMGTVKPNANRIVLDFRRGNDVAFHFNPRFNENRRVIVCNTKQDNNWG
KEERQSAFPFESGKPFKIQLVLEADHFKVAVNDAHLLQYNHRMKNLREISQLGISGDITLTSANHAMI

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.