

LGALS8, 1-317aa, Human, His tag, E.coli

Cat.NO.: TP02818

3th Edition

Synonyms:Galectin-8, Gal-8, PCTA1, Po66-CBP, Prostate carcinoma tumor antigen 1

Description:LGALS8, also known as prostate-specific membrane antigen (PCTA1), is an additional prostatespecific antigen that is overexpressed only in malignant tumors and therefore is a more specific identifier of malignancies. It is a member of the galectin gene family which mediates both cell-cell and cell matrix interactions in a manner similar to the selectin subgroup of C-type lectins.

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

Molecular Weight:37.9 kDa (337aa), , confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMMLSLNNLQNIINYNPVIVFVGTIPDQLDPGTLIVIRGHVPSDADRFQVDLQNGSSM
KPRADVAFHFNPRFKRAGCIVCNTLINEKWGREEITYDTPFKREKSFEIVIMVLKDKFQVAVNGKHTLLYGHRIGPEK
IDTLGIYGKVNHSIGFSFSSDLQSTQASSLELTEISRENVPKSGTPQLRLPFAARLNTPMGPGRTVVVKGEVNANAK
SFNVDLLAGKSKDIALHLNPRLNIAFVRNSFLQESWGEEERNITSFPFSPGMYFEMIIYCDVREFKVAVNGVHSLEY
KHRFKELSSIDTLEINGDIHLLEVRWS

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.