

SEPT5, 1-369aa, Human, His tag, E.coli

Cat.NO.: TP03890

3th Edition

Synonyms:septin-5, CDCREL, CDCREL-1, CDCREL1, H5, PNUTL1

Description:SEPT5, also known as septin-5, belongs to the septin gene family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells. Recombinant human SEPT5 protein, fused to Histag at N-terminus, was expressed in E.coli and purified by using conventional chromatography

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.3M NaCl, 1mM DTT

Molecular Weight:45.2 kDa (392aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSTGLRYKSKLATPEDKQDIDKQYVGFATLPNQVHRKSVKKGFDFTLMVAG
ESGLGKSTLVHSLFLTDLYKDRKLLSAEERISQTVEILKHTVDIEEKGVKLLKLTIVDTPGFGDAVNNTTECWKPITDYVD
QQFEQYFRDESGLNKNIQDNRVHCCLYFISPFHGHLRPVDVGFMKALHEKVNIVPLIAKADCLVPSEIRKLKERIRE
EIDKFGIHVYQFPECDSEDEDFKQQDRELKESAPFAVIGSNTVVEAKGQVRGRLYPWGIVEVENQAHCDFVKLR
NMLIRTHMHDLDKDVTCVHYENYRAHCIQQMTSKLTQDSRMESPIPLPLPTDAETEKLRMKDEELRRMQEMLQ
RMKQQMQDQ

Purity:> 95% by HPLC

Concentration:0.25 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.