

PURB, 1-312aa, Human, His tag, E.coli

Cat.NO.: TP03605

3th Edition

Synonyms:Transcriptional activator protein Pur-beta, Purine-rich element binding protein B, PURBETA

Description:PURB is a sequence-specific, single-stranded DNA-binding protein. It binds preferentially to the single strand of the purine-rich element termed PUR, which is present at origins of replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, it is implicated in the control of both DNA replication and transcription. Deletion of this gene has been associated with myelodysplastic syndrome and acute myelogenous leukemia. Recombinant human PURB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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

Molecular Weight:35.6kDa (335aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMADGDSGSEGGGGPCGFQPASRGGGEQETQELASKRLDIQNKRFYLD
VKQNAKGRFLKIAEVGAGGSKSRLTLSMAVAAEFRDSLGDFFIEHYAQLGPSSPEQLAAGAAEEGGGPRRALKSEFLV
RENKYYLDLKENQRGRFLRIRQTVNRGGGGFGAGPGGGLQSGQTIALPAQGLIEFRDALAKLIDYGGEDDELA
GGPGGGAGGPGGGLYGELPEGTSITVDSKRFFFDVGCNKYGVFLRVSEVKPSYRNAITVPFKAWGKFGGAFCRY
ADEMKEIQERQRDKLYERRGGGSGGGESEEGEEVDED

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.