

Recombinant Human PURB, His-tagged

Cat. No. PURB-193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PURB, 1-312aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-312aa
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 Mass	35.6kDa (335aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADGDSG SERGGGGGPC GFQPASRGGG EQETQELASK RLDIQNKRFY LDVKQNAKGR FLKIAEVGAG GSKSRLTLSM AVAAEFRDSL GDFIEHYAQL GPSSPEQLAA GAEEGGGPRR ALKSEFLVRE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NRKYYLDLKE NQRGRFLRIR QTVNRGGGGF GAGPGPGGLQ SGQTIALPAQ
GLIEFRDALA KLIDYGGED DELAGGPGGG AGGPGGGLYG ELPEGTSITV
DSKRFFFDVG CNKYGVFLRV SEVKPSYRNA ITVPFKAWGK FGGAFCRYAD
EMKEIQERQR DKLYERRGGG SGGGEESEGE EVDED

Purity >95% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

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