

## 32-4543: Recombinant Human Purine-Rich Element Binding Protein B

**Alternative Name :** Transcriptional activator protein Pur-beta,Purine-rich element-binding protein B,PURB,PURBETA.

### Description

Source : E.coli. PURB Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 335 amino acids (1-312) and having a molecular mass of 35.6 kDa.PURB is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Purine-Rich Element Binding Protein B (PURB) is a single-stranded DNA-binding protein which takes part in the dendritic transport of a subset of mRNAs. PURB operates as repressor in myoblasts and fibroblasts in the control of vascular smooth muscle alpha-actin gene transcription. PURB 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 various eukaryotes from yeasts through humans.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 20 µg  |
| <b>Purification :</b>      | Greater than 95% as determined by SDS-PAGE.  |
| <b>Content :</b>           | The PURB solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.   |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSSLVPRGSH MGSMADGDSG SERGGGGGPC GFQPASRGGG EQETQELASK<br>RLDIQNKRKY LDVKQNAKGR FLKIAEVGAG GSKSRLTISM AVAAEFRDSL GDFIEHYAQL GPSSPEQLAA<br>GAEEGGGPRR ALKSEFLVRE NRKYLDLKE NQRGRFLRIR QTVNRGGGGF GAGPGPGGLQ SGQTIALPAQ<br>GLIEFRDALA KLIDYGGED DELAGGPGGG AGGPGGGLYG ELPEGTSITV DSKRFFFDVG CNKYGVFLRV<br>SEVKPSYRNA ITVPFKAWGK FGGAFCRYAD EMKEIQERQR DKLYERRGGG SGGGESEGE EVDED. |

