Recombinant human PURB protein

Catalog Number: ATGP2686

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-312aa

UniProt No.
Q96QR8

NCBI Accession No.
NP_150093

Alternative Names
Transcriptional activator protein Pur-beta, Purine-rich element binding protein B, PuRBETA

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

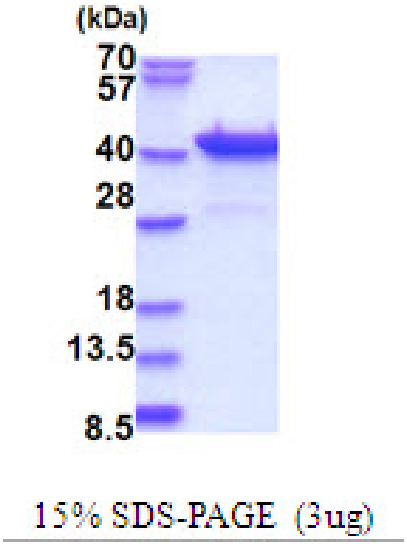
MGSSHHHHHH SSGLVPRGSH MGSMADGDSG SERGGGGGPC GFQPASRGGG EQETQELASK RLDIQNKRFY LDVKQNAKGR FLKIAEVGAG GSKSRLTLSM AVAAEFRDSL GDFIEHYAQL GPSSPEQLAA GAEEGGGPRR ALKSEFLVRE NRKYYLDLKE NQRGRFLRIR QTVNRGGGGF GAGPGPGGLQ SGQTIALPAQ GLIEFRDALA KLIDDYGGED DELAGGPGGG AGGPGGGLYG ELPEGTSITV DSKRFFFDVG CNKYGVFLRV SEVKPSYRNA ITVPFKAWGK FGGAFCRYAD EMKEIQERQR DKLYERRGGG SGGGEESEGE EVDED

General References

Bergemann A.D., Ma Z.-W., et al. (1992) Mol. Cell. Biol. 12:5673-5682

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.