Recombinant human RNA polymerase II subunit RPB11-b2/POLR2J3 protein

Catalog Number: ATGP1743

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-115aa

UniProt No.
A0A0B4J2F8

NCBI Accession No.
NP_001091084

Alternative Names
DNA-directed RNA polymerase II subunit RPB11-b2, POLR2J2, RPB11b1, RPB11b2

PRODUCT SPECIFICATION

Molecular Weight
15.5 kDa (138aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% 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
DNA-directed RNA polymerase II subunit RPB11-b2, also known as POLR2J3, belongs to the eukaryotic RPB11 RNA polymerase subunit family. POLR2J (DNA-directed RNA polymerase II subunit J) exist as three variants POLR2J1 (RPB11-a), POLR2J2 (RPB11-b1), and POLR2J3 (RPB11-b2). POLR2J3 is DNA-dependent RNA polymerases that catalyze the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Recombinant human POLR2J3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

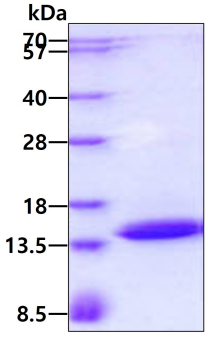
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General References

Palangat M., et al. (2004) J Mol Biol. 341:429-442
uivari A., et al. (2006) Nat Struct Mol Biol. 13: 49-54.

DATA

SDS-PAGE



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