Recombinant human RNA polymerase II subunit RPB3/POLR2C protein

Catalog Number: ATGP2724

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-275aa

UniProt No.
P19387

NCBI Accession No.
NP_116558

Alternative Names
DNA-directed RNA polymerase II subunit RPB3, hRPB33, hsRPB3, RPB3, RPB31

PRODUCT SPECIFICATION

Molecular Weight
33.8 kDa (298aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl

Purity
> 90% 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
POLR2C is the third largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a cysteine rich region and exists as a heterodimer with another polymerase subunit, POLR2J. These two subunits form a core subassembly unit of the polymerase. A pseudogene has been identified on chromosome 21. Recombinant human POLR2C 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

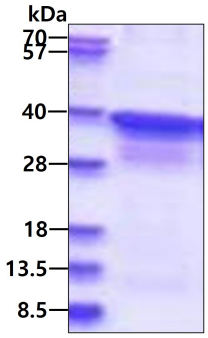
<MGSSHHHHHH SSGLVPRGSH MGS>MPYANQP TVRITELTDE NVKFIIENTD LAVANSIRRV FIAEVPIIAI DWVQIDANSS VLHDEFIAHR LGLIPLISDD IVDKLQYSRD CTCEEFCPEC SVEFTLDVRC NEDQTRHVTS RDLISNSPRV IPVTSRNRDN DPNDYVEQDD ILIVKLRKGQ ELRLRAYAKK GFGKEHAKWN PTAGVAFEYD PDNALRHTVY PKPEEWPKSE YSELDEDESQ APYDPNGKPE RFYYNVESCG SLRPETIVLS ALSGLKKKLS DLQTQLSHEI QSDVLTIN

General References

Bertolotti, A. et al. (1998) Mol. Cell. Biol. 18:1489-1497.
Acker, J. et al. (1998) J. Biol. Chem. 272:16815-16821

DATA

SDS-PAGE



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