Recombinant human RNA polymerase II subunit RPB4/POLR2D protein

Catalog Number: ATGP2265

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-142aa

UniProt No.
O15514

NCBI Accession No.
NP_004796

Alternative Names
DNA-directed RNA polymerase II subunit RPB4, HSRBP4, HSRPB4, RBP4, RPB16

PRODUCT SPECIFICATION

Molecular Weight
18.7 kDa (165aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

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
POLR2D is the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3' untranslated region of the transcript from this gene. Recombinant human POLR2D protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

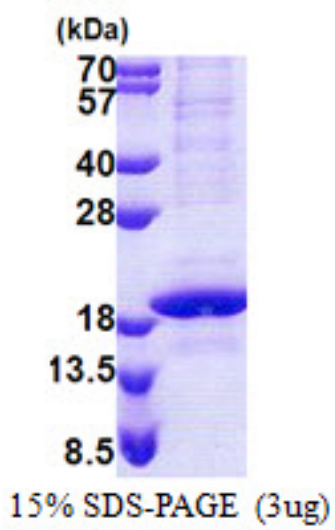
MGSSHHHHHH SSGLVPRGSH MGSMAAGGSD PRAGDVEEDA SQLIFPKEFE TAETLLNSEV HMLLEHRKQQ NESAEDEQEL SEVFMKTLNY TARFSRFKNR ETIASVRSLL LQKKLHKFEL ACLANLCPET AEESKALIPS LEGRFEDEEL QQILDDIQTK RSFQY

General References

Khazak V., et al. (1998). Mol. Cell. Biol. 18:1935-1945

DATA

SDS-PAGE



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