

# Recombinant human MED21 protein

Catalog Number: ATGP2118

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-144aa

### UniProt No.

Q13503

### NCBI Accession No.

NP\_004255

### Alternative Names

Mediator of RNA polymerase II transcription subunit 21, SRB7, SuRB7

## PRODUCT SPECIFICATION

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### Molecular Weight

18 kDa (167aa) 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, 10% glycerol, 1mM DTT

### 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

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### Description

MED21 is a member of the mediator complex subunit 21 family. The protein interacts with the human RNA polymerase II holoenzyme and is involved in transcriptional regulation of RNA polymerase II transcribed genes. A pseudogene of this gene is located on chromosome 8. Alternative splicing results in multiple transcript variants. Recombinant human MED21 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>MADRLTQ LQDAVNSLAD QFCNAIGVLQ QCGPPASFNN IQTAINKDQP  
ANPTEEYAQL FAALIARTAK DIDVLIDSLP SEESTAALQA ASLYKLEEN HEAATCLEDV VYRGDMLEK IQSALADIAQ  
SQLKTRSGTH SQSLPDS

## General References

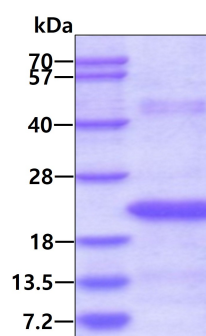
Baumli,S., et al. (2005) J. Biol. Chem. 280 (18), 18171-18178

Maldonado,E., et al. (1996) Nature 381 (6577), 86-89

## DATA

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### SDS-PAGE



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