

Recombinant Human MED21, His-tagged

Cat. No. MED21-7607H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MED21 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-144aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	18.0 kDa (167aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADRLTQ LQDAVNSLAD QFCNAIGVLQ QCGPPASFNN IQTAINKDQP ANPTEEYAQL FAALIARTAK DIDVLIDSLP SEESTAALQA ASLYKLEEN HEATCLEDV VYRGDMLEK IQSALADIAQ SQLKTRSGTH SQSLPDS
Purity	>90% by SDS - PAGE

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Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml?

GENE INFORMATION

Gene Name	MED21 mediator complex subunit 21 [Homo sapiens]
Official Symbol	MED21
Synonyms	MED21; mediator complex subunit 21; SRB7 (suppressor of RNA polymerase B, yeast) homolog , SRB7 suppressor of RNA polymerase B homolog (yeast) , SURB7; mediator of RNA polymerase II transcription subunit 21; SRB7; hSrb7; RNAPII complex component SRB7; RNA polymerase II complex component SRB7; RNA polymerase II holoenzyme component SRB7; SRB7 suppressor of RNA polymerase B homolog; SURB7;
Gene ID	9412
mRNA Refseq	NM_004264
Protein Refseq	NP_004255
MIM	603800
UniProt ID	Q13503
Chromosome	12p12

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Location	
Pathway	Developmental Biology, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;
Function	DNA-directed RNA polymerase activity; transcription coactivator activity;

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