Recombinant Human MED7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MED7-1121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MED7 MS Standard C13 and N15-labeled recombinant protein (NP_004261) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. Two transcript variants encoding the same protein have been found for this gene.
Molecular Mass	27.1 kDa
AA Sequence	MGEPQQVSALPPPPMQYIKEYTDENIQEGLAPKPPPPIKDSYMMFGNQFQCDDLIIR PLESQGIERLHPMQFDHKKELRKLNMSILINFLDLLDILIRSPGSIKREEKLEDLKLLFV HVHHLINEYRPHQARETLRVMMEVQKRQRLETAERFQKHLERVIEMIQNCLASLPDD LPHSEAGMRVKTEPMDADDSNNCTGQNEHQRENSGHRRDQIIEKDAALCVLIDEMN

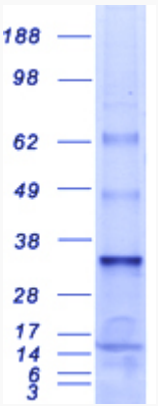
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MED7 mediator complex subunit 7 [Homo sapiens (human)]
Official Symbol	MED7
Synonyms	MED7; mediator complex subunit 7; cofactor required for Sp1 transcriptional activation, subunit 9, 33kDa, CRSP9; mediator of RNA polymerase II transcription subunit 7; CRSP33; CRSP complex subunit 9; transcriptional coactivator CRSP33; activator-recruited cofactor 34 kDa component; cofactor required for Sp1 transcriptional activation subunit 9; RNA polymerase transcriptional regulation mediator subunit 7 homolog; cofactor required for Sp1 transcriptional activation, subunit 9 (33kD); cofactor required for Sp1 transcriptional activation, subunit 9, 33kDa; ARC34; CRSP9; MGC12284;
Gene ID	9443
mRNA Refseq	NM_004270

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Protein Refseq	NP_004261
MIM	605045
UniProt ID	O43513
SDS-PAGE	

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