

Recombinant Human DCP1A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DCP1A-6648H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DCP1A MS Standard C13 and N15-labeled recombinant protein (NP_060873) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Decapping is a key step in general and regulated mRNA decay. The protein encoded by this gene is a decapping enzyme. This protein and another decapping enzyme form a decapping complex, which interacts with the nonsense-mediated decay factor hUpf1 and may be recruited to mRNAs containing premature termination codons. This protein also participates in the TGF-beta signaling pathway. Alternative splicing of this gene results in multiple transcript variants.
Molecular Mass	63.3 kDa
AA Sequence	MEALSRAQEMSLAALKQHDPYITSIADLTGQVALYTFCKANQWEKTDIEGTLFVY RRSASPHYHGFTIVNRLNMHNLVEPVNKDLEFQLHEPFLLYRNASLSIYSIWFDKND CHRIAKLMADVVEEETRRSQQAARDKQSPSQANGCSDHRPIDILEMLSRAKDEYER NQMGDSNISSPGLQPSTQLSNLSTETLEEMPSGSQDKSAPSGHKHILTVEELFGTS LPKEQPAVVGLDSEEMERLPGDASQKEPNSFLPFPFEQLGGAPQSETLGVPSSAAHH SVQPEITTPVLITPASITQSNEKHAPTYTIPLSPVLSPTLP AEAPTAQVPPSLPRNSTM MQAVKTTTPRQRSPLLNPVPELSHASLIANQSPFRAPLNVNTAGTSLPSVDLLQKL

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RLTPQHDQIQTQPLGKGAMVASFSPAAGQLATPESFIEPPSKTAAARVAASASLSNM
VLAPLQSMQQNQDPEVVFVQPKVLSSAIPVAGAPLVATTAVSSVLLAPSVFQQTVT
RSSDLERKASSPSPLTIGTPESQRKPSIILSKSQLQDTLIHLIKNDSSFLSTLHEVYLQV
LTKNKDNHNLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 DCP1A decapping mRNA 1A [Homo sapiens (human)]

Official Symbol DCP1A

Synonyms DCP1A; DCP1 decapping enzyme homolog A (S. cerevisiae); mRNA-decapping enzyme 1A; HSA275986; SMAD4IP1; SMIF; decapping enzyme hDcp1a; transcription factor SMIF; putative protein product of Nbla00360; Smad4-interacting transcriptional co-activator; Nbla00360; FLJ21691;

Gene ID 55802

mRNA Refseq NM_018403

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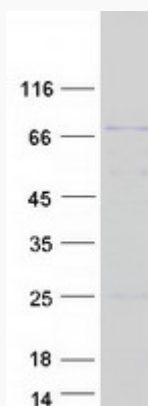
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Protein Refseq NP_060873

MIM 607010

UniProt ID Q9NPI6

SDS-PAGE



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