

Recombinant Full Length Human DCP1A Protein, C-Flag-tagged

Cat. No. DCP1A-2028HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DCP1A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	63.1 kDa
AA Sequence	MEALSRAGQEMSLAALKQHDPYITSIADLTGQVALYTFCKANQWEKTDIEGTLFVY RRSASPYHGFTIV NRLNMHNLVEPVNKKDLEFQLHEPFLLYRNASLSIYSIWFDKND CHRIAKLMADVVEEETRRSQQAARDK QSPSQANGCSDHRPIDILEMLSRKDEYER NQMGDSNISSPGLQPSTQLSNLGSTETLEEMPSGSQDKSA PSGHKHLTVEELFGT SLPKEQPAVVGLDSEEMERLPGDASQKEPNSFLPFPFEQLGGAPQSETLGVPSAA HHSVQPEITTPVLITPASITQSNEKHPTYTIPLSPVLSPTLP AEAPTAQVPPSLPRNS

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TMMQAVKTPR QRSPLLNPVPELSHASLIANQSPFRAPLNVNTAGTSLPSVDLL
 QKLRLTPQHDQIQTPQLGKGAMVAS FSPAAGQLATPESFIEPPSKTAAARVAASASL
 SNMVLAPLQSMQQNQDPEVVFVQPKVLSSAIPVAGAPLV TATTTAVSSVLLAPSVFQ
 QTVTRSSDLERKASSPSPLTIGTPESQRKPSIILSKSQLQDTLIHLIKNDSS FLSTLHE
 VYLQVLTKNKNHNL TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Protein Pathways	RNA degradation
Full Length	Full L.

GENE INFORMATION

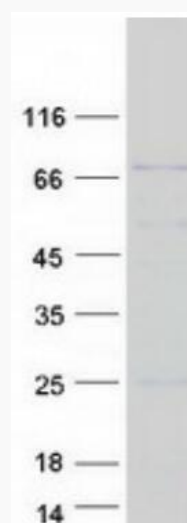
Gene Name	DCP1A decapping mRNA 1A [Homo sapiens (human)]
Official Symbol	DCP1A
Synonyms	SMIF; SMAD4IP1; HSA275986; Nbla00360

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Gene ID	55802
mRNA Refseq	NM_018403.7
Protein Refseq	NP_060873.4
MIM	607010
UniProt ID	Q9NPI6



Coomassie blue staining of purified DCP1A protein.