

Recombinant Full Length Human DCP1A Protein, GST-tagged

Cat. No. DCP1A-2888HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DCP1A full-length ORF (AAH07439.1, 1 a.a. - 582 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	582 amino acids
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. [provided by RefSeq, Feb 2014]
Molecular Mass	89.7 kDa
AA Sequence	MEALSRAQEMSLAALKQHDPYITSIADLTGQVALYTFCKANQWEKTDIEGTLFVY RRSASPYHGFTIVNRLNMHNLVEPVNKDLEFQLHEPFLLYRNASLSIYSIWFDKND CHRIAKLMADVVEEETRRSQQAARDKQSPSQANGCSDHRPIDILEMLSRKDEYER NQMGDSNISSPGLQPSTQLSNLGSTETLEEMPSGSQDKSAPSGHKHHLTVEELFGTS LPKEQPAVVGLDSEEMERLPGDASQKEPNSFLPFPFEQLGGAPQSETLGVPAAHH SVQPEITTPVLITPASITQSNEKHAPTYTIPLSPVLSPTLPAEAPTAQVPPSLPRNSTM MQAVKTTTPRQRSPLLNPVPELSHASLIANQSPFRAPLNVNTAGTSLPSVDLLQKL

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RLTPQHDQIQTQPLGKGAMVASFSPAAGQLATPESFIEPPSKTAAARVAASASLSNM
VLAPLQSMQQNQDPEVVFVQPKVLSSAIPVAGAPLVTATTTAVSSVLLAPSVFQQTVT
RSSDLERKASSPSPLTIGTPESQRKPSIILSKSQLQDTLIHLIKNDSSFLSTLHEVYLQV
LTKNKDNHNL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [DCP1A DCP1 decapping enzyme homolog A \(S. cerevisiae\) \[Homo sapiens \]](#)

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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Protein Refseq	NP_060873
MIM	607010
UniProt ID	Q9NPI6

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