



# Recombinant Human mRNA-decapping enzyme 1A (DCP1A)

<b>Product Code</b>	CSB-EP885684HU
<b>Relevance</b>	Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. Contributes to the transactivation of target genes after stimulation by TGFB1.
<b>Abbreviation</b>	Recombinant Human DCP1A protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9NPI6
<b>Alias</b>	Smad4-interacting transcriptional co-activator Transcription factor SMIF
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MEALS RAGQEMSLAALKQHDPYITSIADLTGQVALYTFCKANQWEKTDIEGT LFVYRRSASPYHGFTIVNRLNMHNLVEPVNKDLEFQLHEPFLLYRNASLSIYSI WFYDKNDCHRIAKLMADVVEEETRRSQQAARDKQSPSQANGCSDRPIDILE MLSRAKDEYERNQMGDSSNISSPGLQPSTQLSNLSTETLEEMPSGSQDKSAP SGHKHILTVEELFGTSLPKEQPAVVGLDSEEMERLPGDASQKEPNSFLPFPFE QLGGAPQSETLGVPSAAHHSVQPEITTPVLITPASITQSNEKHAPTYTIPLSPVL SPTLP AEAPTAQVPPSLPRNSTMMQAVKTTTPRQRSPLLNQPVPEL SHASLIAN QSPFRAPLNVNTAGTSLPSVDLLQKLRLTPQHDIQTQPLGKGAMVASFSPA AGQLATPESFIEPPSKTAAARVAASASLSNMVLAPLQSMQQNQDPEV FVQPK VLSSAIQVAGAPLVTATTTAVSSVLLAPSVFQQTVTRSSDLERKASSPSPLTIGT PESQRKPSIILSKSQLQDTLIHLIKNDSSFLSTLHEVYLQVLTKNKDNHNL
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	DCP1A
<b>Protein Names</b>	Recommended name: mRNA-decapping enzyme 1A EC= 3.-.- Alternative name(s): Smad4-interacting transcriptional co-activator Transcription factor SMIF
<b>Expression Region</b>	1-582aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Tag Info**

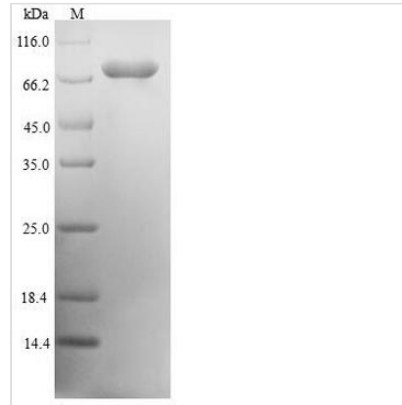
N-terminal 6xHis-tagged

**Mol. Weight**

67.3kDa

**Protein Length**

Full Length

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.