

Recombinant Human DCP2 Protein (1-385 aa), His-tagged

Cat. No. DCP2-1690H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DCP2 Protein (1-385 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length of isoform 2.
Species	Human
Source	Yeast
ProteinLength	1-385 aa
Description	Decapping metalloenzyme that catalyzes the cleavage of the cap structure on mRNAs. Removes the 7-methyl guanine cap structure from mRNA molecules, yielding a 5'-phosphorylated mRNA fragment and 7m-GDP. Necessary for the degradation of mRNAs, both in normal mRNA turnover and in nonsense-mediated mRNA decay. Plays a role in replication-dependent histone mRNA degradation. Has higher activity towards mRNAs that lack a poly(A) tail. Has no activity towards a cap structure lacking an RNA moiety
Form	Tris-based buffer, 50% glycerol
Molecular Mass	46.4 kDa
AA Sequence	METKRVEIPGSVLDDLCSRFILHIPSEERDNAIRVCFQIELAHWFYLD FYMQNTPGLP QCGIRDFAKAVFSHCPFLLPQGEDVEKVLDEWKEYKMGVPTYGAILDETLENVLLV QGYLAKSGWGFPKGKVNKEEAPHDCAAREVFEETGFDIKDYICKDDYIELRINDQLA

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RLYIIPGIPKDTKFNPKTRREIRNIEWFSIEKLPCHRNDMTPKSKLGLAPNKFFMAIPFI
RPLRDWLSRRFGDSSSDSNGFSSTGSTPAKPTVEKLSRTKFRHSQQLFDPDGSPGD
QWVKHRQPLQQKPYNHSEMSDLLKGGKCEKKLHPRKLQDNFETDAVYDLPSSSE
DQLEHAEGQPVACNGHCKFPFSSRAFLSFKFDHNAIMKIDL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name DCP2 DCP2 decapping enzyme homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol DCP2

Synonyms DCP2; NUDT20; hDpc; FLJ33245;

Gene ID 167227

mRNA Refseq NM_001242377

Protein Refseq NP_001229306

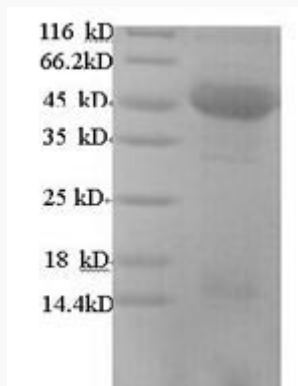
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MIM 609844

UniProt ID Q8IU60



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

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