# Recombinant Human m7GpppN-mRNA hydrolase (DCP2)

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| **Product Code** | CSB-YP810265HU |
| **Relevance** | Decapping metalloenzyme that catalyzes the cleavage of the cap structure on mRNAs. Roves 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 |
| **Abbreviation** | Recombinant Human DCP2 protein |
| **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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| **Uniprot No.** | Q8IU60-2 |
| **Product Type** | Recombinant Proteins |
| **Immunogen Species** | Homo sapiens (Human) |
| **Purity** | Greater than 90% as determined by SDS-PAGE. |
| **Sequence** | METKRVEIPGSVLDDLCSRFILHIPSEERDNAIRVCFQIELAHWFYLDFYMQNTP GLPQCGIRDFAKAVFSHCPFLLPQGEDVEKVLDEWKEYKMGVPTYGAIILDETL ENVLLVQGYLAKSGWGFPKGKVNKEEAPHDCAAREVFEETGFDIKDYICKDDY IELRINDQLARLYIIPGIPKDTKFNPKTRREIRNIEWFSIEKLPCHRNDMTPKSKL GLAPNKFFMAIPFIRPLRDWLSRRFGDSSDSDNGFSSTGSTPAKPTVEKLSRT KFRHSQQLFPDGSPGDQWVKHRQPLQQKPYNNHSEMSDLLKGKKCEKKLHP RKLQDNFETDAVYDLPSSSEDQLLEHAEGQPVACNGHCKFPFSSRAFLSFKF DHNAIMKILDL |
| **Research Area** | Transcription |
| **Source** | Yeast |
| **Target Names** | DCP2 |
| **Protein Names** | Recommended name: mRNA-decapping enzyme 2 Short name= hDpc EC= 3.-.-.-Alternative name(s): Nucleoside diphosphate-linked moiety X motif 20 Short name= Nudix motif 20 |
| **Expression Region** | 1-385aa |
| **Notes** | 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** | 46.4kDa |

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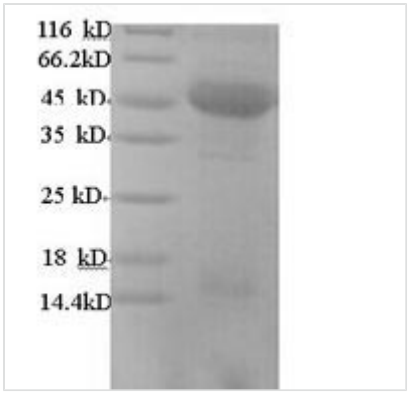
| **Protein Length** | Full Length of isoform 2 |

**Image**




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

**Shelf Life**

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