



# Human DCP2 peptide (DAG-P0418)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this gene is a key component of an mRNA-decapping complex required for degradation of mRNAs, both in normal mRNA turnover, and in nonsense-mediated mRNA decay (NMD). It removes the 7-methyl guanine cap structure from mRNA, prior to its degradation from the 5' end. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011]
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the Nudix hydrolase family. DCP2 subfamily. Contains 1 nudix hydrolase domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DCP2 decapping mRNA 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DCP2
<b>Synonyms</b>	DCP2; decapping mRNA 2; NUDT20; m7GpppN-mRNA hydrolase; hDpc; mRNA-decapping enzyme 2; DCP2 decapping enzyme homolog; nudix (nucleoside diphosphate linked moiety X)-type motif 20;
<b>Entrez Gene ID</b>	<a href="#">167227</a>
<b>mRNA Refseq</b>	<a href="#">NM_001242377.1</a>

<b>Protein Refseq</b>	<a href="#">NP_001229306.1</a>
<b>UniProt ID</b>	Q8IU60
<b>Chromosome Location</b>	5q22.2
<b>Pathway</b>	Activation of Genes by ATF4, organism-specific biosystem; Deadenylation-dependent mRNA decay, organism-specific biosystem; Decapping complex, organism-specific biosystem; Decapping complex, conserved biosystem; Destabilization of mRNA by Butyrate Response Factor 1 (BRF1), organism-specific biosystem; Destabilization of mRNA by KSRP, organism-specific biosystem; Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolism
<b>Function</b>	RNA binding; exoribonuclease activity, producing 5-phosphomonoesters; m7G(5)pppN diphosphatase activity; manganese ion binding; protein binding;