



Human DCP1A peptide (DAG-P0417)

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

PRODUCT INFORMATION

Antigen 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]
Specificity	Detected in heart, brain, placenta, lung, skeletal muscle, liver, kidney and pancreas.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the DCP1 family.
Format	Liquid
Preservative	None
Storage	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

Gene Name	DCP1A decapping mRNA 1A [Homo sapiens (human)]
Official Symbol	DCP1A
Synonyms	DCP1A; decapping mRNA 1A; SMIF; SMAD4IP1; HSA275986; Nbla00360; mRNA-decapping enzyme 1A; decapping enzyme hDcp1a; transcription factor SMIF; DCP1 decapping enzyme homolog A; putative protein product of Nbla00360; Smad4-interacting transcriptional co-

activator;

Entrez Gene ID	55802
mRNA Refseq	NM_001290204.1
Protein Refseq	NP_001277133.1
UniProt ID	Q9NPI6
Chromosome Location	3p21.1
Pathway	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 Tristetraprolin (TTP), organism-specific biosystem; Gene Expression, organism-specific biosystem; RNA degradation, organism-specific biosystem; RNA degradation, conserved biosystem; Regulation of mRNA Stability by Proteins that B
Function	hydrolase activity; identical protein binding; protein binding;