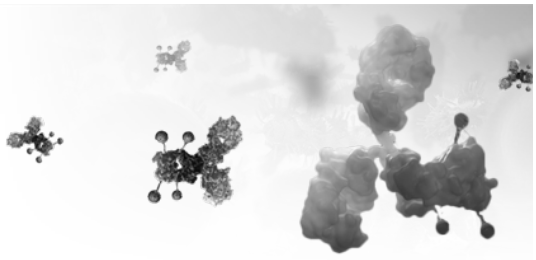

Human CTDP1 peptide (DAG-P0490)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which interacts with the carboxy-terminus of the RAP74 subunit of transcription initiation factor TFIIF, and functions as a phosphatase that processively dephosphorylates the C-terminus of POLR2A (a subunit of RNA polymerase II), making it available for initiation of gene expression. Mutations in this gene are associated with congenital cataracts, facial dysmorphism and neuropathy syndrome (CCFDN). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]
Specificity	Ubiquitously expressed. Isoform 3 is expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and placenta.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 BRCT domain.Contains 1 FCP1 homology domain.
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.

GENE INFORMATION

Gene Name	CTDP1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 [Homo sapiens (human)]
Official Symbol	CTDP1
Synonyms	CTDP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1; FCP1; CCFDN; RNA polymerase II subunit A C-terminal domain phosphatase;

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	serine phosphatase FCP1a; TFIIF-associating CTD phosphatase 1; CTD of POLR2A, phosphatase of, subunit 1; transcription factor IIF-associating CTD phosphatase 1;
Entrez Gene ID	9150
mRNA Refseq	NM_001202504.1
Protein Refseq	NP_001189433.1
UniProt ID	Q9Y5B0
Chromosome Location	18q23
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Disease, organism-specific biosystem; Formation of HIV elongation complex in the absence of HIV Tat, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of RNA Pol II elongation complex, organism-specific biosystem; Formation of the Early Elongation Complex, organism-specific biosystem; Formation of the HIV-1 Early Elongation Comp
Function	CTD phosphatase activity; DNA-directed RNA polymerase activity;

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