



Human CDT1 peptide (DAG-P0247)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is involved in the formation of the pre-replication complex that is necessary for DNA replication. The encoded protein can bind geminin, which prevents replication and may function to prevent this protein from initiating replication at inappropriate origins. Phosphorylation of this protein by cyclin A-dependent kinases results in degradation of the protein. [provided by RefSeq, Mar 2011]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the Cdt1 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	CDT1 chromatin licensing and DNA replication factor 1 [Homo sapiens (human)]
Official Symbol	CDT1
Synonyms	CDT1; chromatin licensing and DNA replication factor 1; DUP; RIS2; DNA replication factor Cdt1; Double parked, Drosophila, homolog of;
Entrez Gene ID	81620
mRNA Refseq	NM_030928.3

Protein Refseq	NP_112190.2
UniProt ID	Q9H211
Chromosome Location	16q24.3
Pathway	Activation of the pre-replicative complex, organism-specific biosystem; Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem; CDT1 association with the CDC6:ORC:origin complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA Replication, organism-specific biosystem;
Function	DNA binding; protein binding;