



Human CLSPN peptide (DAG-P0312)

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

PRODUCT INFORMATION

Antigen Description	The product of this gene is an essential upstream regulator of checkpoint kinase 1 and triggers a checkpoint arrest of the cell cycle in response to replicative stress or DNA damage. The protein is also required for efficient DNA replication during a normal S phase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the claspin 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	CLSPN claspin [Homo sapiens (human)]
Official Symbol	CLSPN
Synonyms	CLSPN; claspin; hClaspin; claspin homolog;
Entrez Gene ID	63967
mRNA Refseq	NM_001190481.1
Protein Refseq	NP_001177410.1

UniProt ID	Q9HAW4
Chromosome Location	1p34.2
Pathway	Activation of ATR in response to replication stress, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; G2/M Checkpoints, organism-specific biosystem; PLK1 signaling events, organism-specific biosystem;
Function	DNA binding; anaphase-promoting complex binding; protein binding;