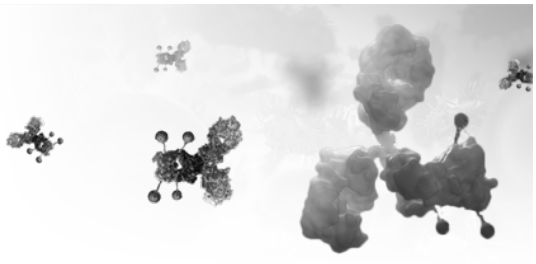

Human DICER1 peptide (DAG-P0408)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein possessing an RNA helicase motif containing a DEXH box in its amino terminus and an RNA motif in the carboxy terminus. The encoded protein functions as a ribonuclease and is required by the RNA interference and small temporal RNA (stRNA) pathways to produce the active small RNA component that represses gene expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]
Conjugate	Unconjugated
Sequence Similarities	Belongs to the helicase family. Dicer subfamily.Contains 1 Dicer dsRNA-binding fold domain.Contains 1 DRBM (double-stranded RNA-binding) domain.Contains 1 helicase ATP-binding domain.Contains 1 helicase C-terminal domain.Contains 1 PAZ domain.Contains 2 R
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	DICER1 dicer 1, ribonuclease type III [Homo sapiens (human)]
Official Symbol	DICER1
Synonyms	DICER1; dicer 1, ribonuclease type III; DCR1; MNG1; Dicer; HERNA; RMSE2; endoribonuclease Dicer; K12H4.8-LIKE; helicase MOI; helicase-moi; Dicer1, Dcr-1 homolog; multinodular goitre 1; helicase with RNAse motif; dicer 1, double-stranded RNA-specific endoribonuclease;
Entrez Gene ID	23405

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mRNA Refseq	NM_001195573.1
Protein Refseq	NP_001182502.1
UniProt ID	Q9UPY3
Chromosome Location	14q32.13
Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) Biogenesis, organism-specific biosystem; MicroRNAs in cancer, organism-specific biosystem; MicroRNAs in cancer, conserved biosystem; Regulatory RNA pathways, organism-specific biosystem; Small Interfering RNA (siRNA) Biogenesis, organism-specific biosystem; mRNA processing, organism-specific biosystem;
Function	ATP binding; ATP-dependent helicase activity; double-stranded RNA binding; metal ion binding; miRNA binding; protein binding; ribonuclease III activity;

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