

Dicer Blocking Peptide
Catalog # PBV10322b**Specification**

Dicer Blocking Peptide - Product Information

Primary Accession	Q9UPY3
Gene ID	23405
Calculated MW	218682

Dicer Blocking Peptide - Additional Information**Gene ID** 23405**Application & Usage**

The peptide is used for blocking the antibody activity of active Dicer. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C

Other Names

Endoribonuclease Dicer, 3.1.26.3, Helicase with RNase motif, Helicase MOI, DICER1, DICER, HERNA, KIAA0928

Target/Specificity

Dicer

Formulation

50 µg (0.2 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 0.1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Dicer Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

Dicer Blocking Peptide - Protein Information**Name** DICER1**Synonyms** DICER, HERNA, KIAA0928**Function**

Double-stranded RNA (dsRNA) endoribonuclease playing a central role in short dsRNA-mediated

post-transcriptional gene silencing. Cleaves naturally occurring long dsRNAs and short hairpin pre-microRNAs (miRNA) into fragments of twenty-one to twenty-three nucleotides with 3' overhang of two nucleotides, producing respectively short interfering RNAs (siRNA) and mature microRNAs. SiRNAs and miRNAs serve as guide to direct the RNA-induced silencing complex (RISC) to complementary RNAs to degrade them or prevent their translation. Gene silencing mediated by siRNAs, also called RNA interference, controls the elimination of transcripts from mobile and repetitive DNA elements of the genome but also the degradation of exogenous RNA of viral origin for instance. The miRNA pathway on the other side is a mean to specifically regulate the expression of target genes.

Cellular Location

Cytoplasm. Cytoplasm, perinuclear region

Dicer Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Dicer Blocking Peptide - Images