

Recombinant Human DICER1 protein, MYC/DDK-tagged

Cat. No. DICER1-784H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DICER1, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	218.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name [DICER1 dicer 1, ribonuclease type III \[Homo sapiens \]](#)

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Official Symbol	DICER1
Synonyms	DICER1; dicer 1, ribonuclease type III; Dicer1, Dcr 1 homolog (Drosophila); endoribonuclease Dicer; Dicer; dicer 1; double stranded RNA specific endoribonuclease; HERNA; K12H4.8 LIKE; KIAA0928; K12H4.8-LIKE; helicase MOI; helicase-moi; Dicer1, Dcr-1 homolog; helicase with RNase motif; dicer 1, double-stranded RNA-specific endoribonuclease; DCR1; MNG1;
Gene ID	23405
mRNA Refseq	NM_030621
Protein Refseq	NP_085124
MIM	606241
UniProt ID	Q9UPY3
Chromosome Location	14q32.2
Pathway	Gene expression, organism-specific biosystem; MicroRNA (miRNA) Biogenesis, organism-specific 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; endonuclease activity; helicase activity; hydrolase activity; metal ion binding; miRNA binding; nucleotide binding; protein binding; ribonuclease III activity; ribonuclease III activity;

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