

## Recombinant Human DICER1 Protein, DYKDDDDK-tagged

Cat. No. DICER1-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein from the full-length sequence of homo sapiens dicer 1, ribonuclease III (DICER1), transcript variant 1 (NM_177438), with a DYKDDDDK tag was expressed in Human cells.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	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.
<b>Molecular Mass</b>	218.5 kDa
<b>Endotoxin</b>	< 0.1 ng/μg of protein (< 1 EU/μg)
<b>Purity</b>	> 90% by SDS-PAGE gel and Coomassie Blue staining
<b>Applications</b>	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!
<b>Storage Buffer</b>	Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

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## GENE INFORMATION

<b>Gene Name</b>	DICER1 dicer 1, ribonuclease III [ Homo sapiens (human) ]
<b>Official Symbol</b>	DICER1
<b>Synonyms</b>	DICER1; dicer 1, ribonuclease III; DCR1; GLOW; MNG1; Dicer; HERNA; RMSE2; Dicer1e; K12H4.8-LIKE; endoribonuclease Dicer; Dicer1, Dcr-1 homolog; dicer 1, double-stranded RNA-specific endoribonuclease; dicer 1, ribonuclease type III; helicase MOI; helicase with RNase motif; EC 3.1.26.3
<b>Gene ID</b>	23405
<b>mRNA Refseq</b>	NM_177438
<b>Protein Refseq</b>	NP_803187
<b>MIM</b>	606241
<b>UniProt ID</b>	Q9UPY3

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