

# Recombinant Human DICER1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** DICER1-1088H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	DICER1 MS Standard C13 and N15-labeled recombinant protein (NP_803187) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>AA Sequence</b>	<p>MKSPALQPLSMAGLQLMTPASSPMGPFGLPWQQEAIHDNIYTPRKYQVELLEAAL            DHNTIVCLNTGSGKTFIAVLLTKELSYQIRGDFSRNGKRTVFLVNSANQVAQQVSAV            RTHSDLKVGGEYSNLEVNASWTKERWNQEFTKHQVLIMTCYVALNVLKNGLYLSLSDI            NLLVFDECHLAILDHPYREIMKLCENCPCPRILGLTASILNGKCDPEELEEKIQKLEKI            LKSNAETATDLVVLDRYTSQPCEIVVDCGPFTDRSGLYERLLMELEEALNFINDCNIS            VHSKERDSTLISKQILSDCRAVLVVLGPWCADKVAGMMVRELQKYIKHEQEELHRKF            LLFTDTFLRKIHALCEEHFSPASLDLKFVTPKVIKLEILRKYKPYERQQFESVEWYNN            RNQDNYVSWSDSEDDDEDEEIEEKEKPETNFPSPFTNILCGIIFVERRYTAVVLNRLI</p>

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KEAGKQDPELAYISSNFITGHGIGKNQPRNKQMEAEFRKQEEVLRKFRAHETNLLIAT  
SIVEEGVDIPKCNLVVRFDLPTEYRSYVQSKGRARAPISNYIMLADTDKIKSFEEDLKT  
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QHSPGVLTDLRSALVNNTIFASLAVKYDYHXYFKAVSPELFHVIDDFVQFQLEKNEM  
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MRPLIEKFSANVPRSPVRELLEMEPETAKFSPAERTYDGKVRVTVEVVGKGFKGV  
GRSYRIAKSAAARRALRSLKANQPQVPNSTRTRPLEQKLISEEDLAANDILDYKDDD  
DKV

**Purity**

&gt; 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## 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 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;
<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

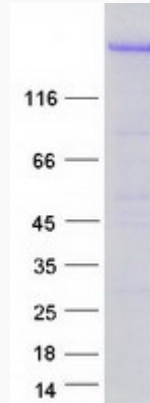
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SDS-PAGE



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