

Recombinant Human DICER1 Protein, DYKDDDDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
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.
Molecular Mass	218.5 kDa
Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)
Purity	> 90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!
Storage Buffer	Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	DICER1 dicer 1, ribonuclease III [Homo sapiens (human)]
Official Symbol	DICER1
Synonyms	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
Gene ID	23405
mRNA Refseq	NM_177438
Protein Refseq	NP_803187
MIM	606241
UniProt ID	Q9UPY3

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