

Recombinant Human DICER1 protein, His-tagged

Cat. No. DICER1-1780H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DICER1 aa. (Leu6~Ser290) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu6~Ser290
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	Freeze-dried powder
Molecular Mass	33kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	5.2

GENE INFORMATION

Gene Name	DICER1 dicer 1, ribonuclease III [Homo sapiens (human)]
Official Symbol	DICER1
Synonyms	DICER1; dicer 1, ribonuclease III; DCR1; 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
Gene ID	23405

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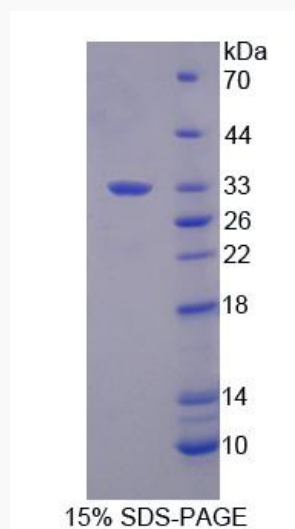
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mRNA Refseq NM_001195573.1

Protein Refseq NP_001182502.1

UniProt ID Q9UPY3

SDS-PAGE



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