Recombinant Human DICER1, GST-tagged

Cat. No. DICER1-4738H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DICER1(1813 a.a. - 1912 a.a.) fussed with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1813-1912 a.a.
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. Two transcript variants encoding the sameprotein have been identified for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	Theoretical MW (kDa):36.74
AA Sequence	ESLAGAIYMDSGMSLETVWQVYYPMMRPLIEKFSANVPRSPVRELLEMEPETAKFS PAERTYDGKVRVTVEVVGK GKFKGVGRSYRIAKSAAARRALRSL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DICER1 dicer 1, ribonuclease type III [Homo sapiens]
Official Symbol	DICER1
Synonyms	DCR1; MNG1; Dicer; HERNA; RMSE2; Dicer1e; K12H4.8-LIKE; endoribonuclease Dicer; Dicer1, Dcr-1 homolog; dicer 1, double-stranded RNA-specific endoribonuclease; helicase MOI; helicase with RNAse motif
Gene ID	23405
mRNA Refseq	NM_177438
Protein Refseq	NP_803187
MIM	606241
UniProt ID	Q9UPY3
Chromosome Location	14q32.13
Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) biogenesis, organism-specific biosystem; Small interfering RNA (siRNA) biogenesis, organism-specific biosystem
Function	ATP binding; deoxyribonuclease I activity; double-stranded RNA binding

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