Recombinant Human EIF2C2, His-tagged

Cat. No. EIF2C2-12358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF2C2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	77-377a.a.
Description	This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	EIF2C2 eukaryotic translation initiation factor 2C, 2 [Homo sapiens]

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Official Symbol	EIF2C2
Synonyms	EIF2C2; eukaryotic translation initiation factor 2C, 2; protein argonaute-2; AGO2; argonaute 2; Q10; PPD; hAgo2; eIF2C 2; eIF-2C 2; argonaute2; protein slicer; PAZ Piwi domain protein; MGC3183;
Gene ID	27161
mRNA Refseq	NM_001164623
Protein Refseq	NP_001158095
MIM	606229
UniProt ID	Q9UKV8
Chromosome Location	8q24
Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) Biogenesis, organism-specific biosystem; Post-transcriptional Silencing By Small RNAs, organism-specific biosystem; Pre-NOTCH Expression and Processing, organism-specific biosystem; Pre-NOTCH Transcription and Translation, organism-specific biosystem; Regulatory RNA pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	RNA 7-methylguanosine cap binding; endonuclease activity; endoribonuclease activity, cleaving siRNA-paired mRNA; hydrolase activity; metal ion binding; protein binding; siRNA binding; contributes_to siRNA binding; translation initiation factor activity;

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