Recombinant Mouse Ago3 Protein, Myc/DDK-tagged

Cat. No. Ago3-1557M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length argonaute RISC catalytic subunit 3 (Ago3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. Proposed to be involved in stabilization of small RNA derivates (siRNA) derived from processed RNA polymerase III-transcribed Alu repeats containing a DR2 retinoic acid response element (RARE) in stem cells and in the subsequent siRNA-dependent degradation of a subset of RNA polymerase II-transcribed coding mRNAs by recruiting a mRNA decapping complex involving EDC4. Possesses RNA slicer activity but only on select RNAs bearing 5'- and 3'-flanking sequences to the region of guide-target complementarity.
Molecular Mass	97.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Ago3 argonaute RISC catalytic subunit 3 [Mus musculus (house mouse)]
Official Symbol	Ago3
Synonyms	Ago3; argonaute RISC catalytic subunit 3; eIF2C; Eif2c3; AW048688; C130014L07Rik; protein argonaute-3; Piwi/Argonaute family protein meIF2C3; argonaute 3; argonaute RISC catalytic component 3; argonaute3; eIF-2C 3; eIF2C 3; eukaryotic translation initiation factor 2C, 3; mAgo3; EC 3.1.26.n2
Gene ID	214150
mRNA Refseq	NM_153402
Protein Refseq	NP_700451
UniProt ID	Q8CJF9

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