

Product datasheet for TP521842

Ago3 (NM_153402) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse argonaute RISC catalytic subunit 3 (Ago3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221842 protein sequence Red=Cloning site Green=Tags(s)

MEIGSAGPIGAQPLFIVPRRPGYGTMGKPIKLLANCFQVEIPKIDVYLYEVDIKPKDCPRRVNREWDSM
VQHFVITFGDRRPVYDGRSLYTANLPVATTGVDLDTLPGEKDRPFKVSVKFVSRVSWHLLHEAL
AGGTLPEPLELDPVSTNPVHAVDVLRHLPSMKYTPVGRSFFSAPEGYDHPLGGGREVWFGFHQSVRPA
MWKMMNLNIDVSATAFYKAQPVIQFMCEVLDIHNIDEQPRPLTDSHRVKFTKEIKGLKVEVTHCGTMRRKY
RVCNVTRRPASHQTFPLQLENGQTVERTVAQYFREKYTLQKYPHLPCLQVGEQKHTYLPLEVCNIVAG
QRCIKKLTNDQSTMIKATARSAPDRQEEISRLVRSANYETDPFVQEFQFKVRDEMAHVTGRVLPAPMLQ
YGGNRNRTVATPSHGVDWDMRGKQFHTGVEIKMWAIACFATQRQCEEILKGFTDQLRKISKDAGMPIQQQP
CFCKYAQGADSVPEPMFRHLKNTYSGLQLIIVILPGKTPVYAEVKRVGDTLLGMATQCVQVKNVIKTSPQT
LSNLCLKINVKLGGINNILVPHQRPSVFQQPVIPLGADVTHPPAGDGKKPSIAAVVGSMDAHPSTRYCATV
RVQRPRQEIIQDLASMVRELLIQFYKSTRFKPTRIIFYRDGVSEGGFRQVLYELLAIREACISLEKDYQ
PGITYIVVQKRHHTRLFCADRTERVGRSGNIPAGTTVDTDITHPYEFDYLCSHAGIQGTSRPSHYHVLW
DDNFFTADELQLLTYQLCHTYVRCTRSVSIPAPAYYHLVAFRARYHLVDKEHDSAEGSHVSGQSNGRDP
QALAKAVQIHQDTLRTMYFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	97.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_700451
Locus ID:	214150
UniProt ID:	Q8CJF9
RefSeq Size:	7635
Cytogenetics:	4 D2.2
RefSeq ORF:	2583
Synonyms:	AW048688; C130014L07Rik; Eif2c3
Summary:	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 derivatives (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 (PubMed:19174539). Possesses RNA slicer activity but only on select RNAs bearing 5'- and 3'-flanking sequences to the region of guide-target complementarity (By similarity). [UniProtKB/Swiss-Prot Function]