

Product datasheet for TP511430

Mov10 (NM_001163441) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Mov10 RISC complex RNA helicase (Mov10), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211430 representing NM_001163441 Red=Cloning site Green=Tags(s)

MPSKFSCRKLRETGQRFESFLAERGLDLETDRERLRTIYNHDFKPSYGTAPAGFSSMLYGMKIANLAFVT
KTRVRRFFKLDRAWADVQLPEKRRIKPGSNISKQHRSLARIFHDRAEYLHGKHGVDVEVQGPHEARDGQLL
IHLDLNRKEVLTLLRNRGGSKPVTLTHLFLPCWTPQVFYHGEQDLPCPLPGESYELHIYCKTSIVGYF
PATVLWELLGPGESGAEGAETFYIARFLAAVAHSPLAAQLKPTTTPFKRPPRLTRNSVLTNRIEEGERPDR
AKGYELESALGTYPPILLRQLLPTLLQGSIPTAPKEVAEIKAQLETTLKSRYEVKLRLLLHLEEL
QMEHDIRHYDLDSVPMTWDPVDQNPRLTLEVPGVAESRPSVLRGDHLFALLSSETQQDDPVYTKGFVHK
VELDRVKLSFSTSLSRFVDGLTFKVNFTFNRPQLRVQHRALELTGRWVWLPMLFPVASRGVSLPSDVK
FKLYDRSLESNPEQLQAMKHIVRGTTTRPAPYIIFGPPGTGKTVTLVEAIKQVVKHLPKAHILACAPSNSG
ADLLCQRLRVHLPSSYRLLAPSRDIRMVPEDIKCCNWDAAKGEVYPAKKHLQYRVLITTLITASRL
VSAQFPIDHFTHIFIDEAGHCMEPESLVAIAGLMDVKETGNPQQGLVLAGDPRQLGPNVRSPLALKHGLG
YLLERLLAYNSLYKKGPNGYDPQFITKLLRNYRSHPTILDIPNQLYYDGELQACADVDRERFCRWEGL
PQQGFPIIFHGMGKDEREGNSPFFNPEEAATVTSYKQLLAPSSKKGKARLSPRNVGVISPYRKQVEK
IRYCITKLDRELRLDDIKDLKVGSVVEEFQGGQERSVILISTVRSSQSFVQLDLDFNLGFLKNPKRFNVAV
TRAKALLIVGNPLLLGHDPDWKTFLEFCKENGGYTGCPFAKLDLQGGQDLLQGLSKLSPSTSGPRRHQ
NLPQEREGEGLPLQVEPEWRNEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	114 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



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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_001156913
Locus ID:	17454
UniProt ID:	P23249 , Q3UD86
RefSeq Size:	3515
Cytogenetics:	3 F2.2
RefSeq ORF:	3012
Synonyms:	C77703; Mov-10
Summary:	<p>Probable RNA helicase. Required for miRNA-mediated gene silencing by the RNA-induced silencing complex (RISC). Required for both miRNA-mediated translational repression and miRNA-mediated cleavage of complementary mRNAs by RISC (By similarity). In cooperation with FMR1, regulates miRNA-mediated translational repression by AGO2 (By similarity). Restricts retrotransposition of long interspersed element-1 (LINE-1) in cooperation with TUT4 and TUT7 counteracting the RNA chaperone activity of L1RE1. Facilitates LINE-1 uridylation by TUT4 and TUT7 (By similarity). Required for embryonic viability and for normal central nervous system development and function. Plays two critical roles in early brain development: suppresses retroelements in the nucleus by directly inhibiting cDNA synthesis, while regulates cytoskeletal mRNAs to influence neurite outgrowth in the cytosol (PubMed:28662698). May function as a messenger ribonucleoprotein (mRNP) clearance factor (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p>