

Datasheet for ABIN7562974
MOV10 Protein (AA 1-1004) (His tag)



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Overview

Quantity:	1 mg
Target:	MOV10
Protein Characteristics:	AA 1-1004
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOV10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Mov10 Protein expressed in mammalian cells.
Sequence:	MPSKFSRKL RETGQRFESF LAERGLDLET DRERLRTIYN HDFKPSYGTP APGFSSMLYG MKIANLAFVT KTRVRRFFKLD RWADVQLPEK RRIKPGSNIS KQHRSLARI FHDRAEYLHG KHGVDVEVQG PHEARDGQLL IHLDLNRKEV LTLRLRNGGS KPVTLTHLFP LCWTPQFVYH HGEQDLPCPL GPGESYELHI YCKTSIVGYF PATVLWELLG PGESGAEGAE TFYIARFLAA VAHSPLAAQL KPTTFFKRPP RLTRNSVLTN RIEEGERPDR AKGYELELSL ALGTYPPIL LRQLLPTLLQ GPSIFTAPKE VAEIKAQLET TLKSRNYEVK LRLLLHLEEL QMEHDIRHYD LDSVPMTWDP VDQNPRLTL ESVGVAESRP SVLRGDHLFA LLSSETQDD PVTYKGFVHK VELDRVKLSF STLLSRFVD GLTFKVNFTF NRQPLRVQHR ALELTGRWVL WPMLFPVASR GVSLPSDVK FKLYDRSLES NPEQLQAMKH IVRGTTTRPAP YIIFGPPGTG KVTVLVEAIK QVVKHLPKAH ILACAPSNSG ADLLCQRLRV HLPSSYRLL APSRDIRMVP EDIKTCCNWD AKKGEYVYPA KKHLLQYRVL ITTLITASRL VSAQFPIDHF THIFIDEAGH CMEPELVAI

Product Details

AGLMDVKETG NPGGQLVLG DPRQLGPVLR SPLALKHGLG YSLLERLLAY NSLYKKGPNG
YDPQFITKLL RNYRSHPTIL DIPNQLYYDG ELQACADVVD RERFCRWEGL PQQGFPIIFH
GVMGKDEREG NSPSFFNPEE AATVTSYLKQ LLAPSSKKGK ARLSPRNVGV ISPYRKQVEK
IRYCITKLDL ELRGLDDIKD LKVGSVVEEFQ GQERSVILIS TVRSSQSFVQ LDLDFNLGFL
KNPKRFNVAV TRAKALLIVV GNPLLLGHDP DWKTFLEFCK ENGGYTGCPF PAKLDLQGGQ
DLLQGLSKLS PSTSGPRRHQ NLPQERELEG GLPLQVEPEW RNEL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

MOV10

Alternative Name:

Mov10 ([MOV10 Products](#))

Background:

Putative helicase MOV-10 (EC 3.6.4.13) (Moloney leukemia virus 10 protein),FUNCTION: 5' to 3' RNA helicase that is involved in a number of cellular roles ranging from mRNA metabolism and translation, modulation of viral infectivity, inhibition of retrotransposition, or regulation of synaptic transmission. Plays an important role in innate antiviral immunity by promoting type I

Target Details

interferon production. Mechanistically, specifically uses IKKepsilon/IKBKE as the mediator kinase for IRF3 activation. Contributes to UPF1 mRNA target degradation by translocation along 3' UTRs. Required for microRNA (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. In cooperation with FMR1, regulates miRNA-mediated translational repression by AGO2. 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). {ECO:0000250|UniProtKB:Q9HCE1, ECO:0000269|PubMed:28662698}.

Molecular Weight: 113.6 kDa

UniProt: [P23249](#)

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months