

Datasheet for ABIN7549417

## MKRN1 Protein (AA 1-482) (His tag)



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### Overview

Quantity:	1 mg
Target:	MKRN1
Protein Characteristics:	AA 1-482
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MKRN1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat MKRN1 Protein expressed in mammalian cells.
Sequence:	<p>MAEAATPGTT ATTSGAGAAA ATAAAASPTP IPTVTAPSLG AGGGGGGSDG SGGGWTQVVT  CRYFMHGVCK EGDNCRYSHD LSDSPYSVVC KYFQRGYCIY GDRCRYEHSK PLKQEEATAT  ELTTKSSLAA SSSLSSIVGP LVEMNTGEAE SRNSNFATVG AGSEDWVNAI EFVPGQPYCG  RTAPSCTEAP LQGSVTKEES EKEQTAVETK KQLCPYAAVG ECRYGENCVY LHGDSCDMCG  LQVLHPMDAA QRSQHIKSCI EAHEKDMELS FAVQRSKDMV CGICMEVVYE KANPSERRFG  ILSNCHNTYC LKCIKWRSA KQFESKIIKS CPECRITSNF VIPSEYWVEE KEEKQKLILK  YKEAMSNKAC RYFDEGRGSC PFGGNCFYKH AYPDGRREEP QRQKVGTTSSR YRAQRNRHFW  ELIEERENSN PFDNDEEEVV TFEKGEMLLM LLAAGGDDEL TDSEDEWDLF HDELEDYFDL DL</p> <p><b>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.</b></p>

## Product Details

### 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:

MKRN1

### Alternative Name:

MKRN1 ([MKRN1 Products](#))

### Background:

E3 ubiquitin-protein ligase makorin-1 (EC 2.3.2.27) (RING finger protein 61) (RING-type E3 ubiquitin transferase makorin-1), FUNCTION: E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. These substrates include FILIP1, p53/TP53, CDKN1A and TERT. Keeps cells alive by suppressing p53/TP53 under normal conditions, but stimulates apoptosis by repressing CDKN1A under stress conditions. Acts as a negative regulator of telomerase. Has negative and positive effects on RNA polymerase II-dependent transcription. {ECO:0000269|PubMed:16785614, ECO:0000269|PubMed:19536131}.

### Molecular Weight:

53.3 kDa

### UniProt:

[Q9UHC7](#)

### Pathways:

[Chromatin Binding](#)

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