

## Product datasheet for PH306848

### MKRN1 (NM\_013446) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MKRN1 MS Standard C13 and N15-labeled recombinant protein (NP_038474)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206848
Predicted MW:	53.2 kDa
Protein Sequence:	>RC206848 representing NM_013446 Red=Cloning site Green=Tags(s)

MAEAATPGTTATTSGAGAAAATAAASPTPIPTVTAPSLGAGGGGGSDGSGGGWTKQVTCRYFMHGVCK  
EGDNCRYSHDLSDSPYSVVKYFQRGYCIYDRCRYEHSKPLKQEEATATELTTKSSLAASSLSSIVGP  
LVEMNTGEAESRNSNFATVGAGSEWVNAIEFVPGQPYCGRTAPSCTEAPLQGSVTKEESEKEQTAVETK  
KQLCPYAAVGECRYGENCVYLHGDSCDMCGLQLLHPMDAAQRSQHIKSCIEAHEKDMELSFVQRSKDMV  
CGICMEVVYKANKPSERRFGILSNCHTYCLKCIRKWSAKQFESKIIKSCPECRITSNFVIPSEYWVEE  
KEEKQKLILKYKEAMSNKACRYFDEGRGSCPFGGNCFYKHAYPDGRREEPQRQKVGTSRYRAQRNRHFW  
ELIEERENSNPFDNDEEEVTFELGEMLLMLLAAGGDELTDSEDEWDLFHDELEDYDLDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_038474</a></u>
RefSeq Size:	3116
RefSeq ORF:	1446
Synonyms:	RNF61



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Locus ID: 23608

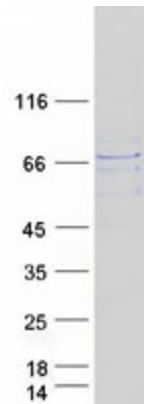
UniProt ID: [Q9UHC7](#)

Cytogenetics: 7q34

**Summary:** This gene encodes a protein that belongs to a novel class of zinc finger proteins. The encoded protein functions as a transcriptional co-regulator, and as an E3 ubiquitin ligase that promotes the ubiquitination and proteasomal degradation of target proteins. The protein encoded by this gene is thought to regulate RNA polymerase II-catalyzed transcription. Substrates for this protein's E3 ubiquitin ligase activity include the capsid protein of the West Nile virus and the catalytic subunit of the telomerase ribonucleoprotein. This protein controls cell cycle arrest and apoptosis by regulating p21, a cell cycle regulator, and the tumor suppressor protein p53. Pseudogenes of this gene are present on chromosomes 1, 3, 9, 12 and 20, and on the X chromosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified MKRN1 protein (Cat# [TP306848]). The protein was produced from HEK293T cells transfected with MKRN1 cDNA clone (Cat# [RC206848]) using MegaTran 2.0 (Cat# [TT210002]).