

Recombinant Human MKRN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MKRN1-3380H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MKRN1 MS Standard C13 and N15-labeled recombinant protein (NP_038474) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	53.2 kDa
AA Sequence	MAEAATPGTTATTSGAGAAAATAAAASPTPIPTVTAPSLGAGGGGGGSDGSGGGW TKQVTCRYFMHGVCKEGDNCRYSHDLSDSPYSVCKYFQRGYCIYGDRCRYEHSK PLKQEEATATELTTKSSLAASSSLSSIVGPLVEMNTGEAESRNSNFATVGAGSEDWV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NAIEFVPGQPYCGRTAPSCTEAPLQGSVTKEESEKEQTAVETKKQLCPYAAVGECR
YGENCVYLHGDSCDMCGLQLLHPMDAAQRSQHIKSCIEAHEKDMELSFVQQRSD
MVCGICMEVVYEKANPSERRFGILSNCHNTYCLKCIRKWRSKQFESKIIKSCPECRI
TSNFVIPSEYWVEEKEEKQKLILKYKEAMSNKACRYFDEGRGSCPFGGNCFYKHAY
PDGRREEPQRQKVGTSRRYRAQRRNHFWELEERENSNPFDNDEEEVTFELGEM
LLMLLAAGGDELTDSEDEWDLFHDELEDYDLTLTRTRPLEQKLISEEDLAANDILD
YKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name MKRN1 makorin ring finger protein 1 [Homo sapiens (human)]

Official Symbol MKRN1

Synonyms MKRN1; makorin ring finger protein 1; E3 ubiquitin-protein ligase makorin-1; RNF61; RING finger protein 61; FLJ21334;

Gene ID 23608

mRNA Refseq NM_013446

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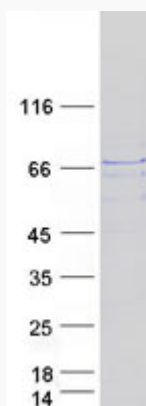
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Protein Refseq NP_038474

MIM 607754

UniProt ID Q9UHC7

SDS-PAGE



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