

Product datasheet for **RC213413**

MINAR1 (NM_015206) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINAR1 (NM_015206) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MINAR1
Synonyms:	KIAA1024; UBTOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC213413 representing NM_015206
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGACCAGTCAGAACTTCCTCTTCTTGGTGAAGATCTTGAGGAAGTGGACAGCAAGCAAAATA
 CCGTTTCTTATCAGGACCTGTGCAAAATCTCTGTGCCCGGTTGACCTGTGCGAGCTTGCCAACTGAG
 AAGTGTGCTCTTCTACACAGCTTGTCTCGATCCCAATTTCCAGCCACGCTATTCAAAGACAAGATGAAA
 TGCACTGTGAATAACCAGCAATCAAAGAAAATCATGGTGGCAGCAGATATTGTGACGATATTCAACCTGA
 TCCAAATGAATGGCGGGGCTGCCAAGGAGAAGCTGCCACGGGCCGCGAGAAGGTACGCAAGAAGGAGGC
 ATCCTTTGAATCATGTAGGTGGACACAGAGATCTGCAATGCAGCTGAGTGTGAGCCCTGAACCTGTGAG
 CTGAGTGAGAGGTCTTTAGCCGGGGCTACCCCATCAGGCAGTCGTCCAAGTGCCGAAGATGGACTGCA
 AGGACTGCCACAGTTTGTCCCTGCCTCTGAGCCTAACTTCTGTGGGAGTTAGCAAAGAGGTGAAAAA
 CCGCGCCGCTTCCCTGGACAGGTTGCAGGCCCTGGCTCCGTAATCTGTGACCAGCCCTCAGCCCTGTGAG
 ATGCAGAGGACCTACTTCCCATGAACATCGAAAACGAGTCCATTTAGACCAGGACTCCCTGCCCATCA
 ATCAGAGCATCAAGGAGACCTTCATTTCCAATGAGGAGCCATTTGTGGTCCAGTCTGTGTCCAGAAAAG
 GAATATCTTCAAAGAGGATTTTCAAAATTTGATGGCAGTGTCCCCAGTTTGGTTGGCCCATCAGCAAA
 GCAGAGAATGAGCACAGGGAACCCAGAGTCGAAAGGAACCCACAAGCCACCCTTCTTCAACCACAGCT
 TTGAAATGCCCTATAACAGCCAGTACCTGAATCCAGTGTATTCCCGGTTCTGACAAAAGGCGAGCAAA
 GCACGAAAGCTTAGATGACCTTCAAGCCTCTACATATTTGGGCCCACTCCCGTATGGGAACCAAGAA
 GCCAGGCGCTGTCTAGGGAAGCCCAACAAGCAGACTCCCTGGCCAGCCAAAAGCTGGAGCCTAAACACAG
 AGGAAGTTCCTGACTTTGAACGGTCTTTTCAATAGAAATCCCTCCGAGGAGAAGCTACACTATCCAAA
 TGCCAGTAGCCAGACCCCAATTTCCAGCCCAAGAAAGGCGCCCAACTTACCTTGTGCCAAAGGATCAA
 CAGCCAATTCTCCCATTTGCTTATGCGGCAAAACAAAATGGGCTCAAATCTAAAGAGATCTCATCCCTG
 TTGACCTGGAGAAGCATGAACAGTCAAAAAGTTTAAAGACAAGAGCATTAAGTGCACAGTGGGAGCT
 CAGCTCAGACACCAAGTAGCGTGGGCACCCAGACTGAGCAGTGTGAGGCCAAGAAATGCAGAGACCTG
 TGCACCTCTGGTCAGGGCAAGTACAGTACAGGCACACCATGAAGCACTCAGACGATGACTCAGAAATTG
 TCACGACGACATCAGTGACATTTCCGATTTCTTGATGACATGAGCATCAGTGGCTCCACGGGAGTGAT
 ACAGTCGTCTGTACAACAGCACAGGATCCTTGTCTCAGCTCCATAAGTCAGACTGCGACAGTTCCCT
 GAGCACAACCTTAACCAAAATTGCCAATGGGGTCCCAACAGCAAGGGAGACAAGGCAACCGGCCTGAAA
 ACACCCACCACTCGGAAGAAGAGCTGAAGACCAAGTGTGTGCAAACTGGTGTCTCAGGATTGGCGAAATCGA
 ACGGAAGCTGGAATCCCTGTCCGGTGTCCGTGATGAAATCTCCAGGTCTTGGGCAAACTAAATAAATTG
 GACCAGAAAATGCAACAGCCTGAGAAGGTGAGTGTGCAGATAGATCTGAACCTCTTGACAAGCGAGGGTC
 CGTCTGATGACAGTGCCTCTCCCGGATGTTCCACGCACACAGTGGCTCCACGGACCCAACTAGAGAA
 CAACCTGACTGGTGTGCTCTGATGCTAGCGGGAGCAACAGTGAAGCCTGCGGGTCAAGGCCTTAAAA
 AAAAGCCTCTTACCAGGCCATCCTCTAGGTCCCTAACAGAGGAGAACAGTGCCACAGAGTCCAAATTTG
 CCAGCATCTCAACTCGCCAGAGACTGGCGCACCATCACTTATACCAACCGTGTGGGCTCAATGAGGA
 GGAGATAAAAGACACAGGCCAGGAGATAATAAGACTGGCATCGGAAATCTAAAGAGGAGACAGGCAG
 TACGACATTTCCCCACAGCACCGACTGCCAAGCAGCCCAAGATGGCTTCTGGTGGAGCAGGTGTTCA
 GCCCTCACCCCTACCCTGCCTCCCTCAAGGCCCATGAAGAGCAACCCCTGTACACAGACATGCGGCT
 GACCGAGTTGGCCGAGGTGAAGCGGGGCCAACCTTCTGGACATTGAGGAGTATGCACGGAATGCGGGC
 GACAAGGGCAAGCTGACAGCCCTGGACCTGCAGACGCAAGAATCTTTAAACCAATAATTTAGAGTACT
 GGTGGAAGACATTTATACTCCAGGATACGATTACTTAAACGTAAGAAGCCGAATTCAGACGAGC
 CAAGGTCTGCAAGATAGCTGCTGATCGCTGCTGCGGCATGCACCGTCATCCTCGTTATTGTCGTGCC
 ATCTGCACAATGAAATCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213413 representing NM_015206
 Red=Cloning site Green=Tags(s)

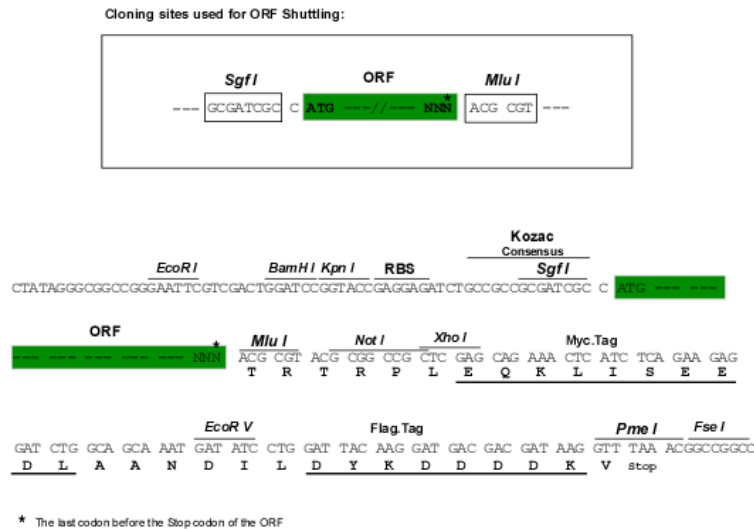
METSQETSLFLVKILEELDSKQNTVSYQDLCKSLCARFDLSQLAKLRSVLFYTACLDPNFPATLFKDKMK
 CTVNNQSKKIMVAADIVTIFNLIQMNGGAKEKLPTRQKVRKKEASFESCRSDTEICNAAECEPLNCE
 LSERSFSRGPYPIRQSSKCRKMDCKDCPQFVPASEPNFLLGVSKEVKNRAASLDRLQALAPYSVTSPQPCE
 MQRTYFPMNIENESISDQDSLPIQSIKETFISNEEPFVVQSCVQKRNIFKEDFHNLMVSPSLVGPISK
 AENEHREPQSRKEPHKPPFFNHSFEMPYNQYLNPVYSPVPDKRRRAKHESLDDLQASTYFGPTPVMGTQE
 ARRCLGKPNKQTPWPAKWSLNTTEEVPDFERSFFNRNPSEEKLYHPNASSQTPNFPAPERPTYLVPKDQ
 QPILPIAYAAKQNLKSKEISSPVDLEKHEPVKKFKDKSINCTSGQLSSDTSSVGTQTEHVLEPKKCRDL
 CTSGQGKYSRHTMKHSDDDSEIVSDDISDIFRFLDDMSISGSTGVIQSSCYNSTGSLSQLHKSDCDSSP
 EHNLTKIANGVPNSKGDKNRPENTHHSEELKTSVCKLVLRIGEIERKLESLSGVRDEISQVLGKLNKL
 DQKMQQPEKVSQIDNLSTSEGPSDDASPRMFHAHSGSHGPKLENNPDWCCSDASGSNSESLRVKALK
 KSLFTRPSSRSLTEENSATESKIASISNSPRDWRITITYTNRVGLNEEEIKDTGPGDNKDWHRKSKEADRQ
 YDIPPQHRLPKQPKDGLVEQVFSHPYPASLKAHMKSNPLYTDMRLTELAEVKRQGPSWTIEEYARNAG
 DKGKLTALDLQTQESLNPNNLEYWMEDIYTPGYDSLKKRKEAEFRRAKVCKIAALIAAACTVILVIVVP
 ICTMKS

TRTRPLEQKLISEEDLAANDILDYKDDDDK

Chromatograms: https://cdn.origene.com/chromatograms/mk8009_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

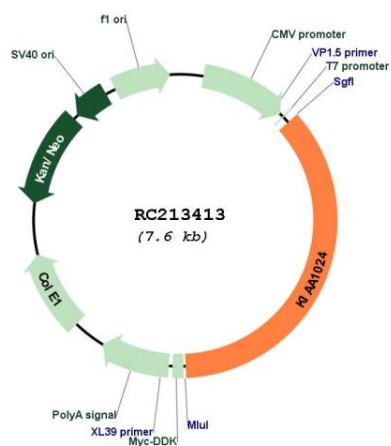


ACCN: NM_015206

ORF Size: 2748 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015206.1 , NP_056021.1
RefSeq Size:	6741 bp
RefSeq ORF:	2751 bp
Locus ID:	23251
UniProt ID:	Q9UPX6
Cytogenetics:	15q25.1
Protein Families:	Transmembrane
MW:	102.8 kDa
Gene Summary:	Intrinsically disordered protein which may negatively regulate mTOR signaling pathway by stabilizing the mTOR complex component DEPTOR (PubMed:30080879). Negatively regulates angiogenesis (PubMed:29329397). Negatively regulates cell growth (PubMed:29329397, PubMed:30080879). Negatively regulates neurite outgrowth in hippocampal neurons (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213413