OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG213413

MINAR1 (NM_015206) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINAR1 (NM_015206) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MINAR1
Synonyms:	KIAA1024; UBTOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG213413 representing NM_015206
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGACCAGTCAGGAAACTTCCCTCTTCTTGGTGAAGATCTTGGAGGAACTGGACAGCAAGCAAAATA
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AGGACTGCCCACAGTTTGTCCCTGCCTCTGAGCCTAACTTCCTGTTGGGAGTTAGCAAAGAGGTGAAAAA
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CAAGGTCTGCAAGATAGCTGCTCTGATCGCTGCTGCGGCATGCACCGTCATCCTCGTTATTGTCGTGCCC
ATCTGCACAATGAAATCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213413 representing NM_015206
Red=Cloning site Green=Tags(s)

METSQETSLFLVKILEELDSKQNTVSYQDLCKSLCARFDLSQLAKLRSVLFYTACLDPNFPATLFKDKMK
CTVNNQQSKKIMVAADIVTIFNLIQMNGGAAKEKLPTGRQKVRKKEASFESCRSDTEICNAAECEPLNCE
LSERSFSRGYPIRQSSKCRKMDCKDCPQFVPASEPNFLLGVSKEVKNRAASLDRLQALAPYSVTSPQPCE
MQRTYFPMNIENESISDQDSLPINQSIKETFISNEEPFVVQSCVQKRNIFKEDFHNLMAVSPSLVGPISK
AENEHREPQSRKEPHKPPFFNHSFEMPYNSQYLNPVYSPVPDKRRAKHESLDDLQASTYFGPTPVMGTQE
ARRCLGKPNKQTPWPAKSWSLNTEEVPDFERSFFNRNPSEEKLHYPNASSQTPNFPAPERRPTYLVPKDQ
QPILPIAYAAKQNGLKSKEISSPVDLEKHEPVKKFKDKSINCTSGQLSSDTSSVGTQTEHVLEPKKCRDL
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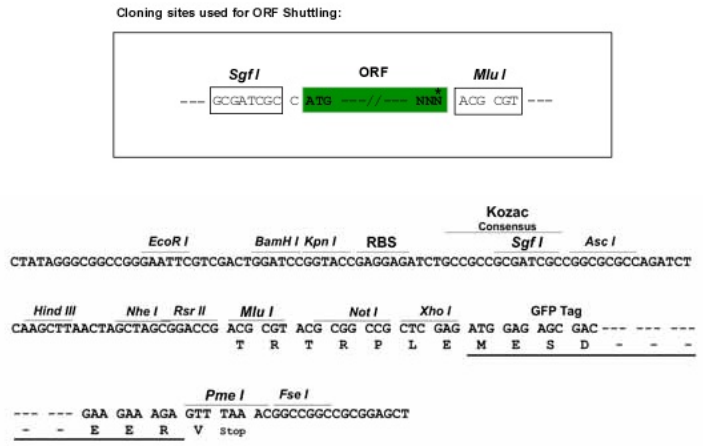
YDIPPQHRLPKQPKDGFLVEQVFSPHPYPASLKAHMKSNPLYTDMRLTELAEVKRGQPSWTIEEYARNAG
DKGKLTALDLQTQESLNPNNLEYWMEDIYTPGYDSLLKRKEAEFRRAKVCKIAALIAAAACTVILVIVVP
ICTMKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

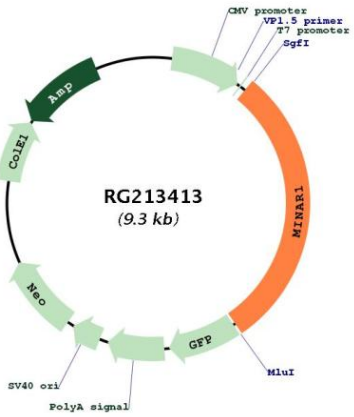
Cloning Scheme:



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.
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
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 RG213413