

Product datasheet for **MG215719**

AF529169 (NM_153509) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	AF529169
Synonyms:	DD1; Kiaa1024
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG215719 representing NM_153509
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCCAATCAGGAAGCTTCCCTCTTTTTGGTGAAGATCTTAGAAGAACTGGACAGTAAACAAAATA
CTGTTTCTATCAAGACCTGTGCAAGTCACTCTGTGCCAGTTTGATCTGTCTCAGCTTGCCAAACTGAG
AAGTGTGCTTTTCTATACAGCATGCCTCGATCCCAACTTTCCAGCAACTTTATTTCAAAGACAAGATGAAA
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AGCCAAGGTTTGAAGATCGCTGCTTATCACTGCTGCTGATGACAGGTCATTCTTGTGATTGTTGTG
CCAATCTGCACGATGAAGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215719 representing NM_153509
 Red=Cloning site Green=Tags(s)

MEANQEASLFLVKILEELDSKQNTVSYQDLCKSLCAQFDLSQLAKLRVLFYTACLDPNFPATLFDKMK
 CSVNQQSKKIMVAADIVTIFNLIQMNGGTAKEKLPMSCHKVRKKEASFESCRSDTEVCSPTVCEPLNCE
 LSERPFSRGPYTRQSSKCRKMDCKECPQFVPASEPNFLLVGSKEVKNRAASLDRLQALSPYSVASPQPCE
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 QKVLPAGYAVKPNGLKSKEISSPVDLEKHEAVKKFKDKSISCTSGQHSSDTSSVGTQTEQHVLDPPKCKD
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 PEHHLAKITNGVSSGKGDKNRPENVHHSEELKSSVCKLVLRIGEIERKLESLSGVREEISQVLGKLNK
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 QYDIPPQHRLPKQPKDGLVEQVFSHPYPTSLKGHMKNPLYTDMRLTEAEVKRGQPSWTIEEYARNS
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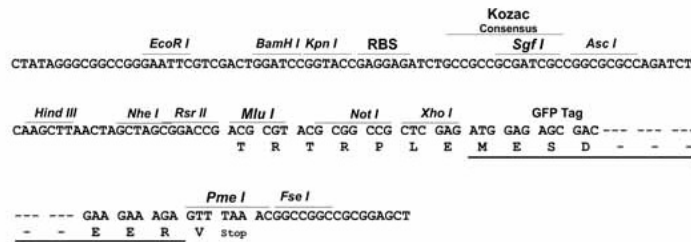
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

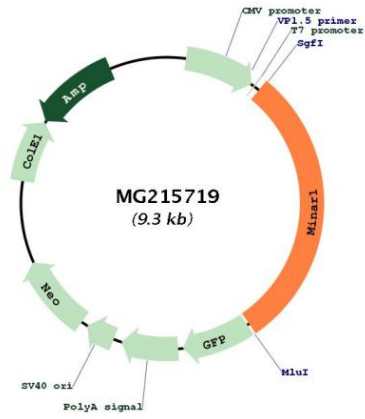
Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:	NM_153509
ORF Size:	2751 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:	<ol style="list-style-type: none">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_153509.2 , NP_705729.1
RefSeq Size:	4250 bp
RefSeq ORF:	2754 bp
Locus ID:	209743
UniProt ID:	Q8K3V7
Cytogenetics:	9 E3.1
Gene Summary:	Intrinsically disordered protein which may negatively regulate mTOR signaling pathway by stabilizing the mTOR complex component DEPTOR. Negatively regulates angiogenesis. Negatively regulates cell growth (By similarity). Negatively regulates neurite outgrowth in hippocampal neurons (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215719