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CN: techsupport@origene.cn

Product datasheet for MG221067

Tacc2 (NM_206856) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tacc2 (NM_206856) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tacc2
Synonyms:	mKIAA4180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG221067 representing NM_206856
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCAACGAGAACAGCACCTCGGACCACCAGAGGACTTCTTCAGTTCAGAGTCCAAGGTCACTGCAGC
CACCTGGGAAGAGTCAATCTCTACAGAAGCAACAAGGAGACTTGCCTGGATCGTGTGCTGGAAGTATCCC
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CCAAAGATGAAAAAGACCCCCGAGAAACTTGACAACACTCCTGCCTCACCTCCAAGGTCCCCTACTGAAC
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GAAAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG221067 representing NM_206856
Red=Cloning site Green=Tags(s)

MGNENSTSDHQRTSSVQSPRSLQPPGKSQSLQKQQGDLPGSCAGSIPGTDDVIQPAAPVDPGHPPLADSS
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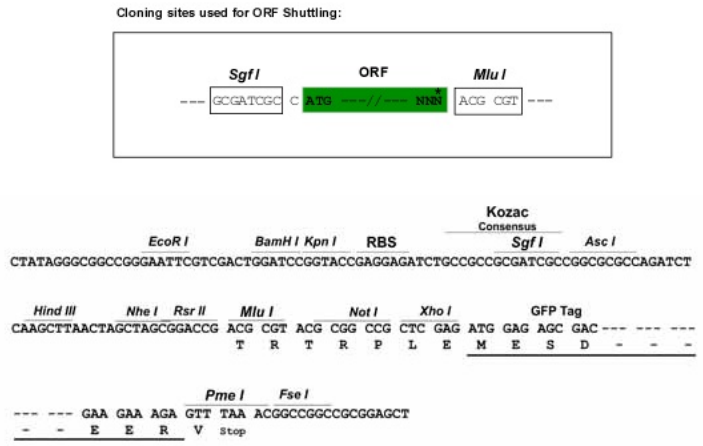
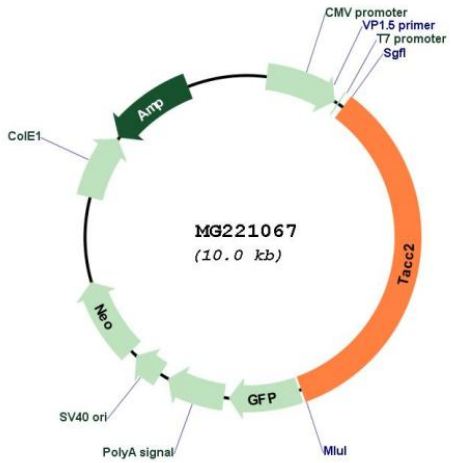
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_206856
ORF Size:	3438 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_206856.4
RefSeq Size:	3906 bp
RefSeq ORF:	3441 bp
Locus ID:	57752
UniProt ID:	Q9JJG0
Cytogenetics:	7 F3

Gene Summary: This gene encodes a member of the transforming, acidic coiled-coil (TACC) family of proteins. Members of this family are centrosomal proteins that interact with microtubules and tubulin. TACC proteins are thought to be involved in centrosome/mitotic spindle dynamics and gene regulation. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]