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Product datasheet for MG203522

Necap2 (NM_025383) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Necap2 (NM_025383) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Necap2
Synonyms:	1110005F07Rik; AA409105; C78898; NECAP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

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>MG203522 representing NM_025383
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAGAGTGAGTACGAGTCTGTTCTGTGTGTCAAGCCGGAGGTCCACGTCTACCGCATCCCGCCGC
GGGCCACCAACCGTGGTTACAGGGCCTCAGAATGGCAACTGGACCAGCCATCGTGGAGTGGCCGGCTGCG
GATCACTGCGAAAGGGAAGGTGGCCTACATCAAGCTGGAGGACAGGACCTCTGGGGAGCTCTTCGCGCAG
GCCCCCGTGGACCAGTTTCCCGGCACCGCAGTGGAGAGTGTGACAGACTCCAGCAGGTACTTCGTCATCC
GAATTGAAGATGGAAACGGGCGACGTGCTTTTATTGGGCTTGGCTTTGGAGACCGAGGGGACGCCTTTGA
CTTCAACGTGGCATTACAGGACCATTTCAAGTGGGTGAAGCAGCAGTGTGAGTTTGCGAAACAAGCGCAG
AACCCAGATGAAGGCCCCAAGTTGGACCTGGGCTTCAAGGACGGCCAGACCATCAAGATCAACATCGCAA
ACATGAGGAAGAAGGAAGGAGCAGCTGGTACCCCAAGAGCCAGGCCCACCAGCGCAGGAGGGCTGAGCCT
GCTGCCCCCTCCTCCGGGGGGCAAGAGTTCCACTGTCATCCCTCCCTCTGGAGAGCAGCTGTCTGTGGGG
GGCTCTCTGGTTCAGCCAGCAGTTGTTTCTGGTTCAGGAGGTGCCACAGAACTCTGGCCACAATCTAAGC
CTGCTGCCGCTGCCACTGCTGATATCTGGGGAGACTTCACCAAATCCACAGGGTCCCCCTCCAGCCAGTC
TCAGCCAGGCACCGGCTGGGTCCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

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Protein Sequence:

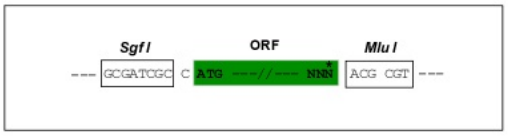
```
>MG203522 representing NM_025383
Red=Cloning site Green=Tags(s)

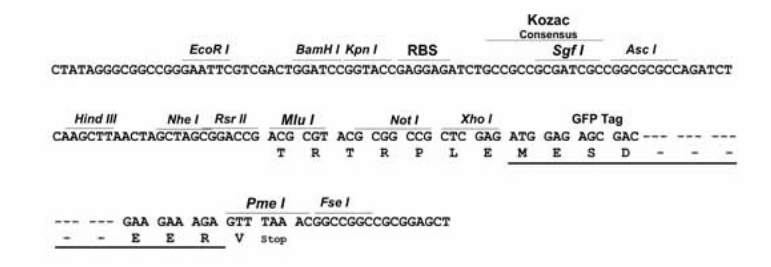
MEESEYESVLCVKPEVHVYRIPPRATNRGYRASEWQLDQPSWSGRLRITAKGKVAYIKLEDRTSGELFAQ
APVDQFPGTAVESVTDSSRYFVIRIEDGNGRRAFIGLGFGDRGDAFDFNVALQDHFKWVKQQCEFAKQAQ
NPDEGPKLDLGFKDGQTIKINIANMRKKEGAAGTPRARPTSAGGLSLLPPPPGGKSSTVIPPSGEQLSVG
GSLVQPAVVSGSGGATELWPQSKPAAAATADIWGDFTKSTGSPSSQSQPGTGWVQF

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_025383

ORF Size: 798 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).

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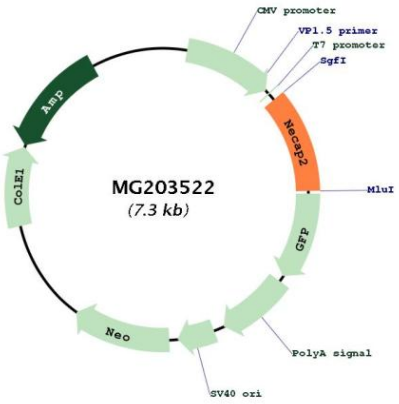
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_025383.2, NP_079659.1
RefSeq Size:	1904 bp
RefSeq ORF:	801 bp
Locus ID:	66147
UniProt ID:	Q9D1J1
Cytogenetics:	4 D3
Gene Summary:	Involved in endocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203522

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