

## Product datasheet for **RG216255**

### MAP6 (NM\_207577) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAP6 (NM_207577) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAP6
Synonyms:	MAP6-N; MTAP6; N-STOP; STOP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216255 representing NM_207577 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTGGCCGTGCATCACGAGGGCCTGCTGCATCGCCCGTTCTGGAACCAAGTTGGACAAAGCGGACA  
TCGCTGTGCCGTGGTTTTACCAAGTACTCGGAGGCCACCGAGCACCCGGGCGCCCCGCCGAGCCACC  
GCCGCCGAGCAGCAGGGCGAGCCGGCGCTCGCGCCCCCTCGGCGCGCGGTTGCCATAGAGACGCAG  
CCAGCCCAGGGCGAGTTGGATGCAGTTGCCGGGCAACGGGGCCAGCGCCTGGGCCTACCGGCGAGCGCG  
AGCCGGCGGGCGGCCCGGCCGAGCGGGCCGGGCCCGGGCTGGGCTCCGGCTCCACCTCCGGCCCCGC  
GGACTCGGTGATGCGGCAGGATTACCGAGCCTGGAAGGTGCAGCGGCCGAGCCAGCTGCCGGCCCGCG  
AGCGAATACCAGCCCTCCGACGCTCCCTTCGAGCGCGAGACCCAGTACCAGAAGGACTTCCGCGCCTGGC  
CGCTGCCGCGCCGCGGGGACCACCCGTGGATCCCCAAGCCGTGCAGATCTCTGCGGCCTCCCAGGGCTC  
GGCGCCATTCTCGGGCGCCCAAGCGCCGGCCGAGAGCCAGGAGCGCTGGCCAGTGCAGGCCCGCCGT  
GAGGCCGGGAGCAGGAGGCGGCCCGGCCGAGCGGGTGGCTGGCGGCCGAAAGGCGTCCGGGGCGG  
ACGAGCGGCACGCGCAGGAAGCCGGCCCTGCCTGGATTGTGCGCCGCGCCGAGGGCCTGGGGCACGA  
GCAGAGCCCGTCCCGCGGCCAGGCCAGGTCAGGCCACCGCCCGAGGCTGGCAGGGGGCGCGCC  
CGGGCGGACGCCCTCAACCGCAAATCCGCGAGGAGGTGGCGAGTGCAGTGCAGTGCAGTGCAGTGCAGT  
AATTCAGGGCATGGACGGACATCAAGCCTGTGAAACCAATAAAGGCCAAGCCCGAGTACAAGCCCCAGA  
TGATAAGATGGTTCATGAGACCAGCTACAGTGCAGTTCAAAGGAGAGGCCAGCAAGCCAAACAACAGT  
GACAATAAGGTCAATTGATCGCAGAAGAATACGAGCCTCTACAGCGAACCCCTCAAGGAACCCCAAGG  
TGGAAAAACCTAGTGTTCAGAGTTCCAAACCAAAAAAGACCTCAGCGAGCCATAAGCCACGAGGAAGGC  
CAAAGACAAGCAGGCGGTGTCAGGCCAGGCTGCCAAGAAAAAGAGCGGGAGGGCCCGAGTACCACCAAG  
CCAGACGACAAGGAGCAAAGCAAGAGATGAACAATAAAGTGGCTGAGGCGAAAGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG216255 representing NM\_207577  
Red=Cloning site Green=Tags(s)

MAWPCITRACCIARFWNLQDKADIAVPLVFTKYSEATEHPGAPPQPPPPQQAQPALAPPSARAVAIETQ  
 PAQGELDAVARATGPAPGPTGEREPAAGPGRSGPGLGSGSTSGPADSVMRQDYRAWKVQRPEPSCRPR  
 SEYQPSDAPFERETQYQKDFRAWPLPRGDHPWIPKPVQISAASQASAPILGAPKRRPQSQRWVQAAA  
 EAREQEAAPGGAGGLAAGKASGADERDTRRKAGPAWIVRRAEGLGHEQTPLPAAQAQVQATGPEAGRRA  
 AADALNRQIREEVASAVSSSYRNEFRAWTDIKPVKPIKAKPQYKPPDDKMVHETSYSAQFKGEASKPTTA  
 DNKVIDRRRIRSLYSEPFKEPPKVEKPSVQSSKPKKTSASHKPTRKAKDKQAVSGQAAKKKS AEGPSTTK  
 PDDKEQSKEMNNKLAEAKE

TRTRPLE - GFP Tag - V

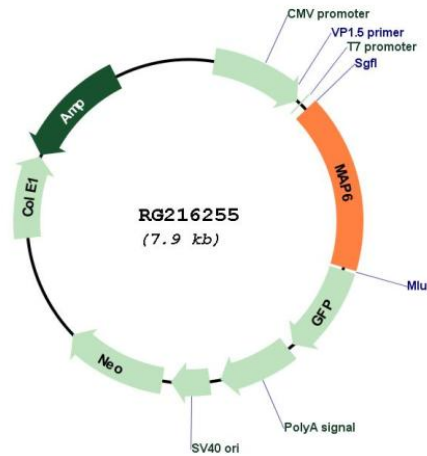
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_207577

<b>ORF Size:</b>	1317 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_207577.1</a> , <a href="#">NP_997460.1</a>
<b>RefSeq Size:</b>	4338 bp
<b>RefSeq ORF:</b>	1320 bp
<b>Locus ID:</b>	4135
<b>UniProt ID:</b>	<a href="#">Q96JE9</a>
<b>Cytogenetics:</b>	11q13.5
<b>Gene Summary:</b>	This gene encodes a microtubule-associated protein. The encoded protein is a calmodulin-binding and calmodulin-regulated protein that is involved in microtubule stabilization. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]