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# Product datasheet for MR201206

## Trappc6b (NM_030057) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Trappc6b (NM_030057) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Trappc6b |
| **Synonyms:** | 5830498C14Rik; C79212 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>MR201206 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGACGAGGCGTTGTTTTTGCTTCTCCATAACGAGATGGTGTCCGGAGTGTACAAGTCCGCCGAGC
AGGGGGAAGTGGAAAATGGAAGGTGTGTTACTAAGCTGGAGAGCATGGGGTTCCGAGTGGGGCAAGGACT
GATAGAAAGGTTTACGAAAGATACTGCAAGGTTCAAGGATGAATTAGACATCATGAAGTTCATCTGTAAA
GATTTTTGGACTACAGTATTCAAGAAACAGATTGACAATCTGAGGACAAATCATCAGGGCATATATGTAC
TTCAGGACAACAAATTTCGACTACTCATTCAGCTGTCTGCAGGAAAACAGTATTTAGAACATGCGTCCAA
GTATCTAGCATTCACATGTGGCTTAATCAGAGGTGGCTTGTCGAACTTGGGAATAAAAAGTATTGTAACA
GCTGAAGTCTCTTCAATGCCTGCCTGCAAATTTCAGGTGATGATACAGAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR201206 protein sequence
Red=Cloning site Green=Tags(s)

MADEALFLLLHNEMVSGVYKSAEQGEVENGRCVTKLESMGFRVGQGLIERFTKDTARFKDELDIMKFICK
DFWTTVFKKQIDNLRTNHQGIYVLQDNKFRLLIQLSAGKQYLEHASKYLAFTCGLIRGGLSNLGIKSIVT
AEVSSMPACKFQVMIQKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

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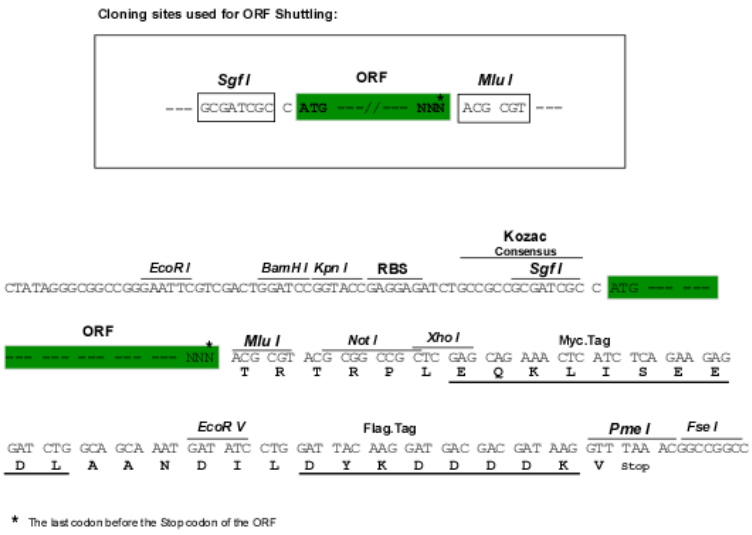
**Cloning Scheme:**



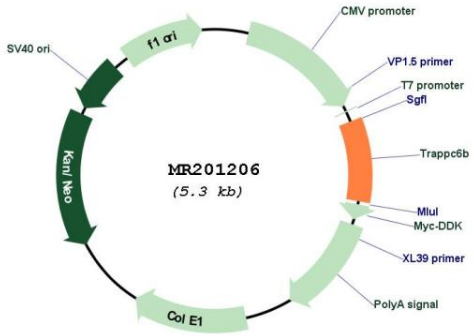

| | |
|---|---|
| **ACCN:** | NM_030057 |
| **ORF Size:** | 477 bp |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_030057.1 |
| **RefSeq Size:** | 1272 bp |
| **RefSeq ORF:** | 477 bp |
| **Locus ID:** | 78232 |
| **UniProt ID:** | Q9D289 |

**Cytogenetics:** 12 C1

**MW:** 17.9 kDa

**Gene Summary:** Component of a transport protein particle (TRAPP) complex that may function in specific stages of inter-organelle traffic (By similarity). Specifically involved in the early development of neural circuitry, likely by controlling the frequency and amplitude of intracellular calcium transients implicated in the regulation of neuron differentiation and survival (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:




Circular map for MR201206