

## Product datasheet for MR202479

### Trappc4 (NM\_021789) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trappc4 (NM_021789) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trappc4
Synonyms:	1500017G03Rik; AI303617; HSPC172; PTD009; Sbd; Sbdn; Sdcbp2; TRS23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202479 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGCGATTTTTAGCGTGTACGTGGTGAACAAAGCCGGCGGCCTGATTTACCAGTGGGACAGCTATTGCG  
CACGGGCTGAGGCTGAGAAGACTTTAGTTACCCGCTGGACCTGCTGCTGAACTGCACGACGAACGCGT  
GCTGGTCGCTTCGGCCAGCGCAGCGCATCCGGTGGCCATGCAGTGTGGCCATCAATGGCATGGAC  
GTGAATGGCAAGTACACGGCTGACGGGAAAGAAGTCTGGAGTATCTGGTAACCCTGCGAATTACCCGG  
TTTCCATCCGATTCGGCCGGCCCGCCTTACCTCTAACGAGAAGCTTATGCTGGCCTCGATGTTCCACTC  
GCTCTTTGCCATTGGTTCCAGCTATCTCCGGAACAGGGCAGTTCAGGCATTGAGATGCTGGAAACAGAC  
ACCTTCAAACGCACTGCTTCCAAACACTGACAGGGATCAAGTTGTGGTCTGGCAGACCTTAGGCAAG  
CTGGAATAGATTCTTCTCCGAAAAATTTATGAAATTTACTCAGACTTTGCCCTCAAGAATCCATTCTA  
CTCCTTGGAAATGCCTATCAGATGCGAGCTGTTTATGATCAAAACCTGAAGCTAGCTCTAGAGGTGGCAGAG  
AAGGCTGGCACTTTTGGACCTGGGTCA

AGCGGACCCACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202479 protein sequence  
 Red=Cloning site Green=Tags(s)

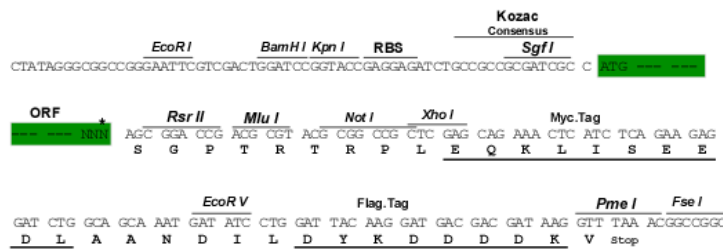
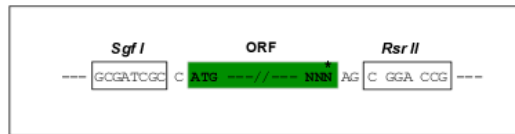
MAIFSVYVVKAGGLIYQWDSYSPRAEAEKTFSYPLDLLLKLHDERVLVAFGQRDGIKRVGHAVLAINGMD  
 VNGKYTADGKEVLEYLGNPANYPVSIKIRFGRPLTSNEKMLASMFHSLFAIGSQLSPEQGSSGIEMLETD  
 TFKLHCFQTLTGIFKVVFLADPRQAGIDSLLRKIYEIYSDFAKLNPFYSLEMPIRCELFQNLKLALEVAE  
 KAGTFGPGS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_021789

**ORF Size:** 660 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\\_021789.2](#), [NP\\_068561.1](#)

**RefSeq Size:** 1196 bp

**RefSeq ORF:** 660 bp

**Locus ID:** 60409

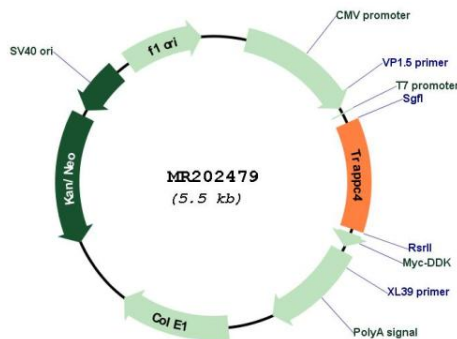
**UniProt ID:** [Q9ES56](#)

**Cytogenetics:** 9 A5.2

**MW:** 24.4 kDa

**Gene Summary:** May play a role in vesicular transport from endoplasmic reticulum to Golgi. May play a role in dendrite postsynaptic membrane trafficking.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR202479