

Product datasheet for **MG217248**

Mcpt9 (NM_010782) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcpt9 (NM_010782) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mcpt9
Synonyms:	MMCP-1; MMCP-9; MMCP9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217248 representing NM_010782 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCAGGCCCTACTATTCCTGATGGCACTTCTCTGCCTTCTAGGGCTGGAGCTGAGGAGATTATTGGTG
GTGTTGAGTCTGAACCACACTCCCGACCTTACATGGCCTATGTGAATACCTTCAGTAAGAAAGGTTATGT
GGCAATCTGTGGTGGTTTCTCATAGCCCCCAATTTGTGATGACTGCTGCACACTGTAGTGAAGAAGA
ATGACTGTCACCCTTGGAGCTCATAATGTGAGAAAGAGAGAATGCACACAGCAGAAGATAAAAGTTGAAA
AGTACATCTTGCCTCAAATTACAATGTGTCTTCCAAGTTCAATGACATCGTATTACTGAAGCTTAAAAA
GCAAGCTAACTTGACTTCTGCTGTGGATGTAGTTCCTCCCTGGCCCCCTGACTTTGCCAAGCCTGGG
ACGATGTGTTGGGCAGCTGGCTGGGGGCGAACTGGAGTGAAAAAAGTATCTCACATACCCTGAGAGAGG
TAGAACTGAAAATCGTGGGGGAAAAGGCCTGTAAATATTTAGGCATTACAAGGATAGCCTCCAGATCTG
TGTGGGCAGTTCACAAAGGTGGCATCAGTATACATGGGAGACTCTGGAGGACCTCTACTGTGTGCTGGG
GTGGCCCATGGTATTGTATCTTCTGGACGCGGAAATGCAAAGCCCCCTGCAATCTTCACCCGAATCTCCC
CACATGTGCCCTGGATTAACAGAGTCATAAAGGGCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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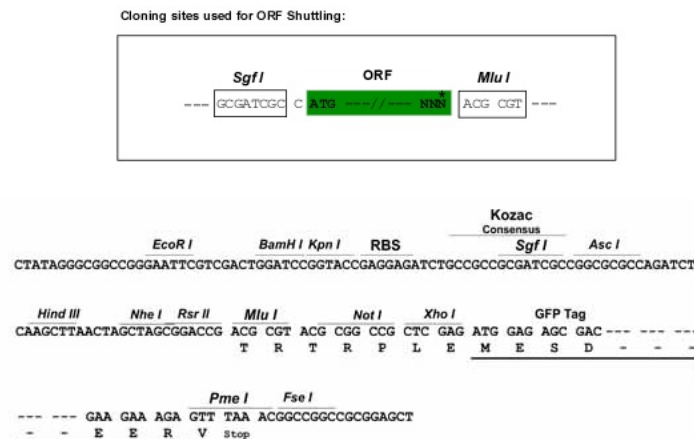
Protein Sequence: >MG217248 representing NM_010782
 Red=Cloning site Green=Tags(s)

MQALLFLMALLLPSRAGAEIIIGGVESEPHSRPYMAYVNTFSKKGYVAICGGFLIAPQFVMTAAHCSGRR
 MTVTLGAHNVRKRECTQQKIKVEKYILPPNYNVSSKFNDIVLLKLKKQANLTSADVVPPLPGPSDFAKPG
 TMCWAAGWGRTGVKKSISHTLREVELKIVGEKACKIFRHYKDSLQICVGSSTKVASVYMGDSGGPLLCAG
 VAHGIVSSGRGNAPPAIFTRISPHVPWINRVIKGE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010782

ORF Size: 738 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_010782.3](#), [NP_034912.3](#)

RefSeq Size: 2000 bp

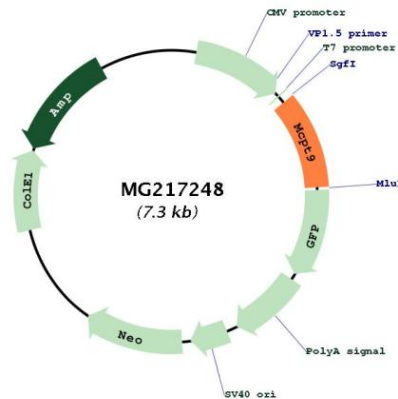
RefSeq ORF: 741 bp

Locus ID: 17232

UniProt ID: [O35164](#)

Cytogenetics: 14 28.19 cM

Product images:



Circular map for MG217248