

Product datasheet for **MR218580**

Mtcp1 (NM_001039373) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtcp1 (NM_001039373) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mtcp1
Synonyms:	P13MTCP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<p>>MR218580 representing NM_001039373 Red=Cloning site Blue=ORF Green=Tags(s)</p> <p>TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC</p> <p>ATGGCAAGAGAGGATGTGGGGCTCCACCCGATCATCTCTGGGTTACCAAGAAGGAGTCTACCGCGACG AATATCAGCGCACATGGGTAGCTGTGGTGAAGAGGAGACAAGTTTCTAAAGGCTCGAGTCCAGCAAGT TCAGGTTCTTTAGGTGACGCACTAAGCCAAGTCACCTTCTTACCTCCCACTACCTCTCATGTGGCAA CTCTACCCAGAGGAGCGCTACATGGATAACAACTCTCGCTTGTGGCAGATTGAGCATCATTTAATGGTCA GGGGAGTACAGGAATACTCCTTAACTTTGCCTGATGAT</p> <p>ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA</p>
Protein Sequence:	<p>>MR218580 representing NM_001039373 Red=Cloning site Green=Tags(s)</p> <p>MAREVDGAPPDHLWVHQEGVYRDEYQRTWVAVVEEETSFLKARVQQVQVPLGDATKPSHLLTSQPLMWQ LYPEERYMDNNSRLWQIQHLMVRGVQELLLKLLPDD</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Restriction Sites:	SgfI-MluI


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Cloning Scheme:


ACCN: NM_001039373

ORF Size: 321 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.

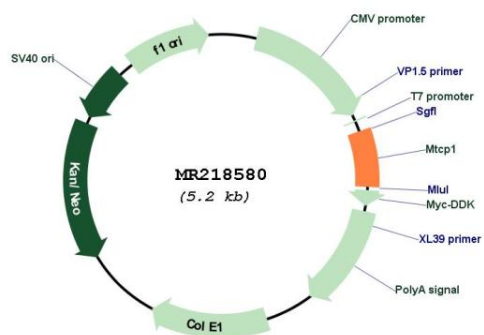
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001039373.5](#), [NP_001034462.1](#)

RefSeq Size: 1594 bp

RefSeq ORF:	324 bp
Locus ID:	17763
UniProt ID:	<u>Q60945</u>
Cytogenetics:	X A7.3
MW:	13.1 kDa
Gene Summary:	Enhances the phosphorylation and activation of AKT1 and AKT2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218580