

Product datasheet for RC213472

MAP10 (NM_019090) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP10 (NM_019090) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAP10
Synonyms:	KIAA1383; MTR120
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213472 representing NM_019090 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCCACTGTGGACAGTTAACTAACTGGCTCTGTTTAGCATGGGAAAGGAAGGAGAGTCCTGATTTTC
 TTTCAATATTCTCAGGTATATTGATCTGACCCCCAAGTTACATAAGATCTGCAGTGATAAACCATAC
 CCAAAAACTCACTGTCTTTTACCACTTATATCTCAGCATTATCATCAATTGTCTTAATACAAGGTTGG
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 GACACCGCCCGAGACCCGCTGGAGCGCTTCCGCAATCTCGCGAGATAGCAGGCAGCGATGCCTTTTGCT
 CCGGTTTCTCGTGAGACCCCGGGGCTTCAGCTTCTCGTTTGGCGAGCCCGCGCGCGCTTTCCTGGGGCA
 ACAGCAATGGCGGCTCGCTGTCCGAGCGGCTCTTCTCGCTGGAGCTGCTGGTGGACTGGGTGCGTTTGG
 AAGCCCGGCTGCTGCCGTCCTCCCGCTGCCGAGTGAGCAGGAGGAGGAAGAGGAGGAAAAGGAGCAGGG
 GGAGGCTCGTCGCCGCGCGGTCTGTGCCCCGCGTGGCTTCCGCTGCTGGACTTCCCCACGCTGTTG
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AGGAGTTGTCTAAAGCATCCAAGTTCTGCAGCACACGAACATCCTCCAATGCTTGTAATCCTCCACATA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213472 representing NM_019090

Red=Cloning site Green=Tags(s)

MAHCGQLTNWLC LAWERKESPDFLSIFLRYIDLTPKLHKICS DKTITQKTHCLLPLISSALSSIVLIQGW
WQKTAHKYAYKGAKHIEQQNPQSRHRPRPAGALPQISRDSRQRCLLLRFLVRPRGFSFSAEPAAAFPGA
TAMAASLSERLFSLELLVDWVRLEARLLPSPAAAVEQEEEEEEKEQGEASSPRGLCPAVAFRLDFPTLL
VYPPDGPAPAAEPWPGVIRFGRGKSCLFRLQPATLHCRLLRTPLATLLQLPPGRPTPTPQLLGACDIS
LATAAHRVVGPAAASGCSHRHRGRFPLHNRVGERGDI ALAYRLTDLGSRLLSQLERPLTFTRTGGGAEVS
PQTQQRQQLQQPASQSPKEADKPLGELEIPEAQKDLKEMVKS KAECNVGSGVENGKTNVSVTCSGAGN
GRNVSSLNEEVELDMETNIFCPPPLYTNLTQEKPPPAQAKITIEPQMNAPEEMDDASPEKKRVNPPAH
RSLCKHPSSAAHEHPPMLVNPPHIQNI GATNQTQTEQNRINTIRQLPLLNALLVELSLLYDQPVTPAH
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EDKYLDSDASFTE NSDTSRQISGVFDEPSTSKETKLKYATEKKTVDCKNRINNVSL EEVVSPANI IPE
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KYSDDLSSPCYSEDFCTSEDTSRSFKAHDSSSRTENPKHSQYTSKSSDTGVSKKNSSDRSSILSPPFSA
GSPVHSYRK FHI SKTQDKSLEEASSISASDLSSTHWTEQKENQIDQNSMHNSEITKRAQDISVKTRSSWK
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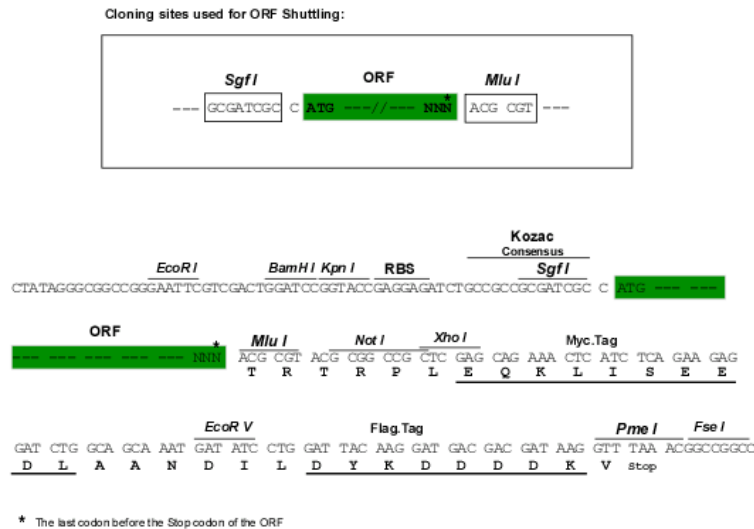
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8024_b12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_019090

ORF Size: 3141 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_019090.2](#), [NP_061963.2](#)

RefSeq Size: 5455 bp

RefSeq ORF: 2718 bp

Locus ID: 54627

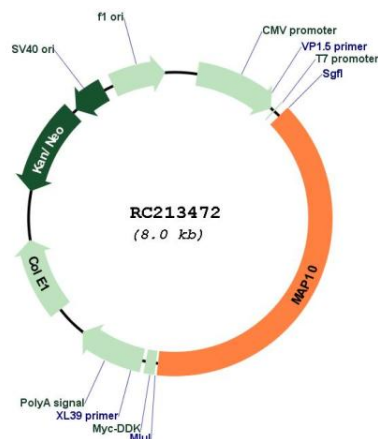
UniProt ID: [Q9P2G4](#)

Cytogenetics: 1q42.2

MW: 116.3 kDa

Gene Summary: Microtubule-associated protein (MAP) that plays a role in the regulation of cell division; promotes microtubule stability and participates in the organization of the spindle midzone and normal progress of cytokinesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC213472