

Product datasheet for **RC239596**

MAP7D1 (NM_001286365) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP7D1 (NM_001286365) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAP7D1
Synonyms:	PARCC1; RPRC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239596 representing NM_001286365
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGCGGCCCGCTGCGGAGCTGGGGCGGGCGCACCCCCAGCTGTGGTCGCCAGGACCCCCCAG
 AGCCAAGACCTTCTCCAGAAGGTGACCCTTCCCCCACCACCACCAATGTCAGCCCTGGTCCCCGACAC
 TCCCCCGACACCCCTCCTGCCATGAAGAATGCCACTAGCTCTAAGCAGCTCCCCTGGAACAGAGAGC
 CCCTCAGGGCAGGTGGGCTTAGGCCAGCCCCCGCAGGAAGAGTCCCCTTCTCTGAAGCAAAGAGCA
 GAGGACCCACCCACCAGCCATGGGCCACGGGATGCCAGACCTCCTCGAAGGAGCAGCCAGCCATCTCC
 AACAGCAGTGCCAGCCTCCGACAGCCCTCCACCAAGCAAGAGGTGAAGAAGGCAGGAGAGAGACACAAG
 CTGGCAAAGGAGCGGCGAGAAGAGCGGGCAAGTACCTGGCGGCAAGAAGGCAGTGTGGCTGGAGAAGG
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 TATGAAGCAGCCATCCAACGGTCACTGAAGAAGACGTGGGCCAAATCCGGCAGCAGCGCTGGTCCCTGGG
 CAGGGGCCCTGCACCACAGCTCTCCAGGACATAAGACCAATCGCAGCCTGCAGCTGAGCGCATGGGAGAG
 CAGCATCGTGGATCGTCTGATGACGCCACTCTCTCTTCTTCTGCTCGGAGTCGACAGCGCGGTACACTG
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 CGCGGGGAGCGCCGAAGCCCAACGCCGGGGCAGCCCCGCTCCGGTGCGCCCGGGCGGAGGCCCTCGC
 CGGTGCAGAAAAAGGAGAAGAAGAGACAAGGAGCGGGAAAAACGAGAAGGAGAAGAGTGCCTAGCCCCGGA
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 GAGCTCAGCCCCAAATCCAAGGCCAGGCCATCCTCTCCCTCCACATCCTGGCACAGGCCTGCCTCCCCCT
 GCCCAGCCAGGGCCAGGCCACACTCTGCCTCCAAAGCCACCGTCCCCCGAGGCACCACTGCATCCCC
 CAAGGGGCGGGTTCGGAGGAAGGAGGAGGCAAAGGAGAGCCCCAGCGCCGAGGGCCGAGGACAAGAGC
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 GACCTCACCCCCAGCCCCTGCTCCCCGGTGACCCTAGCAAACCAATGGCCGGCACACAGACCGAGAA
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 GTCTGGAGCGGGAAAAGCACTTCCAGCAGCAGGAGCAAGAGCGGCAAGAGCGCAGAAAGCGTCTGGAGGA
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 AGTCTGAGCCGAACACCAGAGACTCCTGCCCTTGCAGAGGCAAGCCTTCTCAAGAAAGCTGTGG
 TGCACTCCCGCAGGTCACAGAAGTCCTT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239596 representing NM_001286365
 Red=Cloning site Green=Tags(s)

MESGPRAELGAGAPPAVVARTPPEPRPSPEGDPSPPPPPMSALVPDTPDTPPAMKNATSSKQLPLEPES
 PSGVQVGRPPAPPQEEESPSEAKSRGTPPAMGPRDARPPRRSSQPSPTAVPASDSPPTKQEVKKAGERHK
 LAKERREERAKYLAACKAVWLEKEEKAKALREKQLQERRRRLLEEQRKAEQRRRALEERQRKLEKNKER
 YEAAIQRVYKKTWAEIRQQRWSWAGALHHSSPGHKTNRSLQLSAWESSIVDRLMTPTLSFLARSRAVTL
 PRNGRDQGRGCDPGRGPTWGRAGASLARGPQDRTHPSAAVPVCPRSASASPLTPCSVTRSVHRCAPAGE
 RGERRKPNAGGSPAPVRRRPEASPVQKKEKDKERENEKEKSALARERSLKKRQSLPASPRARLSASTAS
 ELSPKSKARPSSPSTSWHRPASPCSPGPGHTLPPKPPSPRGTTASPKGRVRRKEEAKESPSAAGPEDKS
 QSKRRASNEKESAAPASPAPSPAPSPTAPPQKEQPPAETPTDAAVLTSPPAPAPPVTPSKPMAGTTDRE
 EATRLLAEKRRQAREQREREQERRLQERDKRMREEQLAREAEARAEREAEARRREEQEAKEAQAEQE
 EQERLQKQKEEAEARSREEAERQRLEREKHFQQQEQRERKRLEEIMKRTRKSEVSETKKQDSKEANA
 NGSSPEPVKAVEARSPGLQKEAVQKEEPIPQEPQWSLPSKELPASLVNGLQPLPAHQENGFSTNGPSGDK
 SLSRTPETLLPFAEAEAFLLKAVVQSPQVTEVL

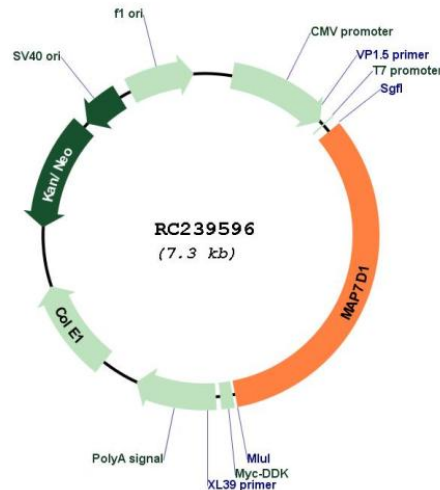
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001286365

ORF Size: 2409 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_001286365.2](#)

RefSeq Size: 3473 bp

RefSeq ORF: 2412 bp

Locus ID: 55700

UniProt ID: [Q3KQU3](#)

Cytogenetics: 1p34.3

MW: 89.2 kDa