

Product datasheet for **MR227656**

Map7d2 (NM_001081124) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map7d2 (NM_001081124) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map7d2
Synonyms:	1600028E09Rik; 2900002G04Rik; 5330432J06Rik; C030036K04Rik; Mtap7d2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR227656 representing NM_001081124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGCGCAGCGGTGGGAACGGCGCGCGCGGTGGCGCGCGCGCGCGCGCGCGGTACGGCGGCA
 GCGGTGGCGGTGGCGGAGGAGCCGAGTCCCCTCGGAAGGGGCTGCCAAGGGCTTGTGCTGCTGCTGGC
 CAAGTCCGCGGAAGCGGCTCCGGGAGAGCCTCCAGTCCACCCCGCGGTCCGCAGGAATGGATGGATT
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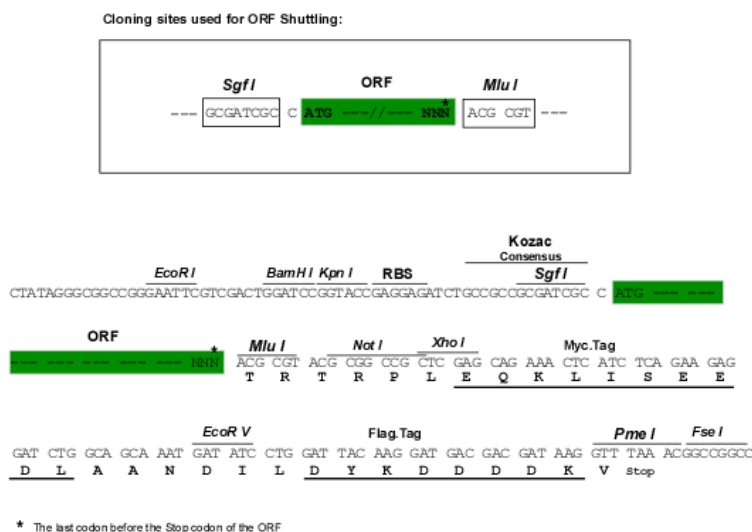
Protein Sequence: >MR227656 representing NM_001081124
 Red=Cloning site Green=Tags(s)

MERSGGNGGGGGGGGGGGGGYGGSGGGGGGAGVPSEGAAGL SLLAKSAEASGRASQSTPRSAGMDGF
 LKSDERQLAKERREEREKCLAAREQQILEKQKRAKLQYEKQIEERWRKLEEQRQREDQKRAAVEEKRKQ
 KLREEEERLEAMMRSLERTQLELKKKCSWAGSPGPGGRDGESENTPPLPLTLATSTPPLDTGTTTAAA
 ESTNACDKLSTSTMNLPKQTESPMSKHLSSSTVAISYSPDRALGSPLKSSYKSSPTRTTEKKKNTPI SAM
 GDAGKGAMAGGEP SQMEKMKKGRVATSAASGGHGSPLRRCEPPEDISKRLSSPVKSKITSKTYPQSPKTA
 KPTYLGSPVKYYPPIANEETPKKKAEEKRNKEKEGAPGQQSTVLPREESLEKRMADKYATEKYVADKH
 ATEKHSAPGGKAEHSAGKPTAGTTDAGEAAKILAEKRRQARLQKEQEEQERLEKEERERLEKEELKRKAE
 EERLRIEMAYKREQEKKRQEEEEKRAEEKAKEKAEELL SKEKQEKEKQEKEKKEAMIEKQKEAAEAK
 AQDAAKQMRLEREQIMLQIEQERLERKKRIDEIMKRTRKSDASLEVKKEDPKVELQPPPDVENKANKAKP
 VVPNKIEINVLNLCQKVSGERAAPETFPQDIFSTGLKPVGGPVHLDVLDGKSNSLDDSTEDVQSM DVSP
 VSKEELISIPFSPVSEMIPGMSLDQNGTGNARALQDILDFTGPPAFPKKSSENSLDDCNKNLIEGFNS
 PGQETTLNTFC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081124

ORF Size: 2343 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_001081124.2](#), [NP_001074593.1](#)

RefSeq Size: 3682 bp

RefSeq ORF: 2346 bp

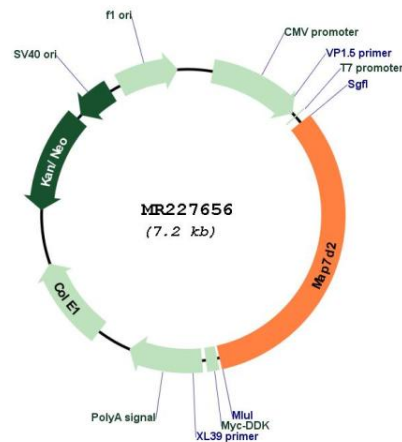
Locus ID: 78283

UniProt ID: [A2AG50](#)

Cytogenetics: X F4

MW: 86 kDa

Product images:



Circular map for MR227656