

Product datasheet for **MR203688**

Msantd3 (NM_001145925) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msantd3 (NM_001145925) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Msantd3
Synonyms:	2410046L14Rik; 2810429P03Rik; 5730528L13Rik; Mysantd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203688 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAAAACAACGAAATCATTAAACCTGCCAAGTACTTCTCGGAGCTGGAGAAGAGCATCTTGCTTGCCCT
 TGGTAGAGAAGTACAAGTATGTGTTGGAATGCAAGAAGAGCGACGCGGACTATTGCTCTCAAGCAGCG
 GACCTGGCAGGCCTTGGCCACGAGTACAACCTCGCAGCCAGCGTGTGCTGCGGACTTCAAACAGCTC
 AAGAAGTGCTGGGAGAACATCAAGGCTCGGACCAAAAAAATTATGGCCACGAGAGGCGGAGAGAAGGTGA
 AGCGCAGCGGGAGCCCGTTGCTGAGCAGCCACGTCCTGGACAAGGAGAAGATCAGCAGCATGCTGCCGA
 GCAACTGTACTTCCTTCAGAGCCACCGGAGGAGGAGCCGAATACCACCAGGATGCGGCCGCCAAGAG
 TCCTTTGCTGTTCAAATCGAGAACTGTGCGAGGATGAGAAAGAGTTCGGGCCCTTTCCGGTCTGTGAGG
 GGACCTCACAACCCGAACCTTCATGCTCAGCCGTGAGGATAACCGCCAATAAAAACTACAGGAGCAAAAC
 CCCTCAGGAAGGTGCTTTAAAGAAAATGCACGAGGAGGAGCACCATCAGCAGATGTCCATCTTACAGCTG
 CAGCTGATCCAAATGAACGAGGTGCACGTGGCCAAAATCCAGCAGATCGAGCGGAGTGCGAGATGGCCG
 AGGAGGAGCACCGGATCAAAATGGAAGTCCTCAATAAAAAAGAAGTGTACTGGGAGGAAACTGCAGAC
 TTTTACCAAGGAGTGGCCCGTCTCCTCGTTAACCGGCCCTTTCCAATTCAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR203688 protein sequence
 Red=Cloning site Green=Tags(s)

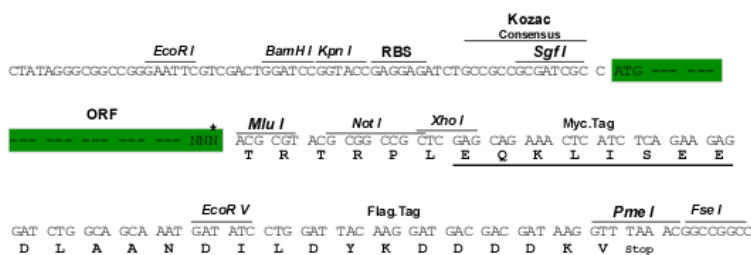
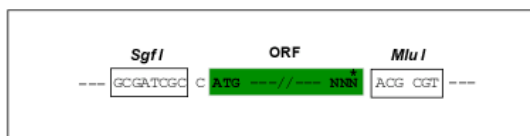
MQNNEIIPAKYFSELEKSILLALVEKYKYVLECKKSDARTIALKQRTWQALAEYNSQPSVSLRDFKQL
 KKCWENIKARTKKIMAHERRREKVKRSGSPLLSSHVLDKEKISSMLPEQLYFLQSPPEEEPEYHQDAAAE
 SFAVSNRELCEDEKEFGPPVCGETSQPEPSCSAVRITANKNYRSPKTEQEGALKMHHEEHQMQSILQL
 QLIGMNEVHVAKIQOIERECMAEEEHRIKMEVLNKKKKMYWERKLQTEFKWVPYSSFNRPFPNSP

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001145925

ORF Size: 825 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_001145925.1](#), [NP_001139397.1](#)

RefSeq Size: 1606 bp

RefSeq ORF: 828 bp

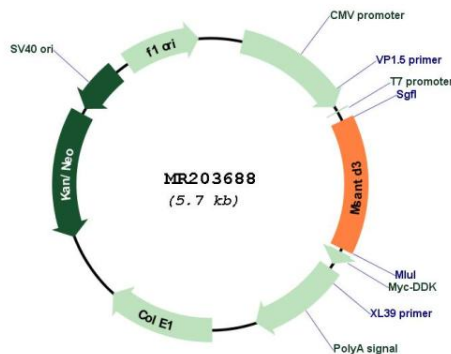
Locus ID: 66665

UniProt ID: [Q9CR78](#)

Cytogenetics: 4 B1

MW: 32.3 kDa

Product images:



Circular map for MR203688