

Product datasheet for **MR208855**

Msantd2 (NM_146222) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Msantd2 (NM_146222) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Msantd2
Synonyms:	2810450G17Rik; 9530092B10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208855 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGCCCTGTGGCTCGGAGCTGCCGCCAACTCGCCGCTCAAATTCGAAGATGGAGTGCTTT
 CCCCGGCGTCTCCCGGCGACCTGAGCGACGGGAACCCATCGCTGTCCGACCCTTCCACGCCCTCGGGGAGC
 CCCCCCTCTCGGGCCCGGCAGCGCGGGGCTCGGGGGCCGCGCGTCCGGGGTCTCGGCTGGGGCTG
 GGGGGCCGCGGCTGCCTCGTCTCGTCTCCTTCTCGCCGCGCGGCAAGTGGCGGGCTGCGGCGG
 CCGCTGCCCGCCTGCCGGGTATGTCGTGGACGCCGCGAGAGACGAACGCGCTCATCGCTGTATGGG
 CAACGAGCGGCTGGTGGAGGCGCGTACCAGCAGCTGGAGGGAGCCGCGACGATTCGCGACGAAGGCC
 CCTGGGCCGGCCATGTACGAGCGCGTGTCCGGGCCCTGGCCGAGCTGGGCTACGAGCGGACCCCGTCCC
 AGTGCCGGGAGCGCATCAAGACCCTTCGAGGTGTACAGTCGGGTGAAAGAACATGGTGTGGGAAAAG
 AAAGAGCAGTTACACATTTGAACAGTTGGAACAGGTGTTGGTCAAGGAGGATGGGATGCTCAGCCCTGC
 CAGCCTGTACTTATTAACAGTAGTGGCTTGTACCAGGAGCTGGAGTCAGATGGCAGCACTATGGAGGACT
 ATTCACAGGAGGACTGGGAAACCACAGTCAGGAGCTCCATGGCTATCCAACAGATCAGGAATTGGATGA
 AATGCCAGTTTCAAAGAGAACGTTAAAAATAAAACAAGAGTCTTCTGAAGAGGCACAGAAGCGAGATACC
 ATGCAGAAATTTGACAGATTTTGGAGTCGGTGCAGTTGAAATGGGAAGTGTTCAGAGTTGGACAGACT
 TCTCAAGGCTCCATCTTCCAATAAATTTGGCCATTTTGGAAATGGCTATAACACCCGCTGGAAAGAGGA
 TATTCGTTACCATTATGCTGAGATCAGCTCACAGGTGCCCTTGGCAAGCGTCTTCGCGAGTATTTCAAC
 TCTGAAAGCCTGAGGGACGGATCATTATGACCCGGGTGCAAAAAATGAACTGAAAAATGTTTACTACA
 AGTTTTTAGAGATCACCATCAGTGAAGCGAGGTGCCTAGAGCTGCACATGGAGATTGACTGGATACCCAT
 TGCCCACTCGAAGCCAACCGGGGCAATGTTGTTCAAGTATTTATTGCCAGGAGGCATTCCTAAAAGCCCA
 GGCTTTATGCCATTGGCTATGAAGAATGTATCGAGAGGCTCTCTCACCAGATGTGGAGCGCCATGCTC
 TGGACCCAGGAAAGAGGGCCGAGTCGACCTGGAGACCCTCTCAGCACAAGCCTCATTACAGGTGGAAGT
 GGAACCCACCCGGATCATCTACTGCTACCTCGGTATTGCTGAGGTGAGGACTCTGCAGCAGTGTGTTT
 TTACATTTCCAAGCAAATGCCAAAACCTTCAGTAAAGAGTGGGTGGTATTAATGGGTTTTGTCTCAGA
 ACTGTATTGTGGATCCTGGAGTTTCCCCAAGTCCATCTACATCAAATTTGTAGAAGTAGAGAGGGATT
 TCTTTCTGCCGGCTCATTAGTTGAGTGTCTGAAAAAGCCATTGGATACCCCTTAAAATTTAAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208855 protein sequence
 Red=Cloning site Green=Tags(s)

MAAPCGSELPANSPLKIPKMEVLSASPGLSDGNPSLSDPSTPRGASPLPGPSAAGSGAAASGGLGLGL
 GGRGAASSVSFSPPGGSGGAAAAAAACRGMSTPAETNALIAVWGNERLVEARYQQLEAGTVFGSKA
 PGPAMYERVSRALAELEGYERTPSQCRERIKTLRRCYSRVKEHVGKRSYTFEQLQVFGQGGWDAQPC
 QPVLINSSGLYQELSDGSTMEDYSQEDWGNHSQELHGYPDQELDEMPVSKRTLKIKQESSEEAQKRD
 MQNIVQILESVQLKWELFQSWTDFSRHLHLSNKLAIIFGIGYNTRWKEDIRYHYAEISSQVPLGKRLREYFN
 SEKPEGRIIMTRVQKMNWKNVYYKFLIITISEARCLELHMEIDWIPIAHSKPTGGNVVQYLLPGGIPKSP
 GLYAIGYEECIERPLSPDVERHALDPGKEGRVDLETLAQASLQVEVEPTRIICYLGLIAEVRTLQQLFL
 LHFQANAKTFKEWVINGFLSQNCIVDPGVSPKSIYIKFVEVERDFLSAGSLVECLEKAIGYPLKFNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_146222

ORF Size: 1680 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_146222.2](#), [NP_666334.2](#)

RefSeq Size: 2307 bp

RefSeq ORF: 1680 bp

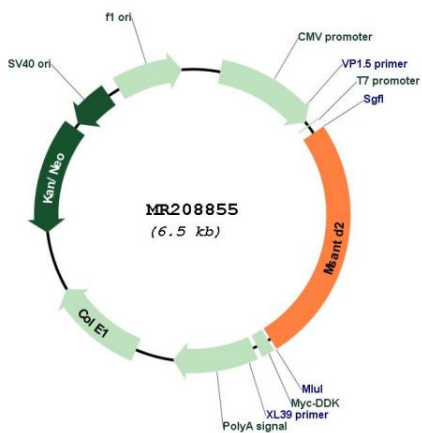
Locus ID: 235184

UniProt ID: [Q6NZR2](#)

Cytogenetics: 9 A4

MW: 61.4 kDa

Product images:



Circular map for MR208855