

Product datasheet for **RC231245**

MSANTD3-TMEFF1 (NM_001198812) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	MSANTD3-TMEFF1
Synonyms:	C9orf2; C9orf3-TMEFF1; C9orf30-TMEFF1; H7365; TMEFF1; TR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC231245 representing NM_001198812
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGGC**

ATGCAAAACAACGAAATTATAAAGCCTGCCAAATACTTCTCAGAATTGGAAAAGAGCATCCTGCTGGCTT
 TAGTAGAAAAGTATAAATATGTGCTGGAATGTAAAGAAAAGTGATGCGCGAACTATTGCCCTTAAGCAGCG
 TACCTGGCAGGCGCTGGCCACGAATACAACCTCTCAGCCAGCGTGTCCCTGCGGGATTTCAAACAGCTG
 AAGAAGTGCTGGGAGAACATCAAGGCTCGGACCAAAAAAATTATGGCCCATGAAAGGAGAGAGAAAGTGA
 AACGGAGCGTCAGCCCTCTCTGAGTACCCACGTCCTAGGGAAGGAGAAGATCGCCAGCATGCTGCCGGA
 GCAGCTCTACTTCTGCAGAGCCCCCGAGGAGGAGCCGAATACCACCCGACGCTCAGCCCAAGAA
 TTAATGTGAGGGAGTCTGACGTAAGAGTTTGTGATGAGTCATCATGTAATATGGAGGAGTCTGTAAG
 AAGATGGAGATGGTTTGAAATGTGCATGCCAATTCAGTGCCATACAAATTATATTCCTGTCTGTGGATC
 AAATGGGGACACTTATCAAAATGAATGCTTCTCAGAAGGGCTGCTTGAAGCACCAGAAAGAGATAACA
 GTAATAGCAAGAGGACCATGCTACTCTGATAATGGATCTGGATCTGGAGAAGGAGAAGGAGGGTCAG
 GGGCAGAAGTTCACAGAAAACACTCCAAGTGTGGACCCTGCAATATAAAGCTGAGTGTGATGAAGATGC
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 GGGAGTTCTATAACAATCCCTGTTTTGTTGAGAAGCATCTGTATAAAGCAAGAACAAATGATATAA
 GGCATCTTGCTCATTGCACAGATACAGATGACACTAGTTTGTGGGAAAAGAAAGATGATGGACTACAATA
 TCGACCAGATGTGAAAGATGCTAGTGATCAAGAGAAGATGTTTATTGGAAACCACATGCCTTGCCCT
 GAAAACCTCAATGGTTACTGCATCCATGAAAAATGTGAATTCATCTATTCTACTCAGAAGGCTTCTTGTA
 GATGTGAATCTGGCTACACTGGACAGCACTGTGAAAAGACAGACTTAGTATTCTCTATGTAGTGCCAAG
 TAGGCAAAAGCTCACTCATGTTCTTATTGCAGCAATTATTGGAGCTGTACAGATTGCCATCATAGTAGCA
 ATTGTAATGTGCATAACAAGAAAATGCCCAAAAAACAATAGAGGACGTCGACAGAAGCAAAACCTAGGTC
 ATTTTACTTCAGATACGTCATCCAGAATGGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231245 representing NM_001198812
 Red=Cloning site Green=Tags(s)

MQNNEIIPAKYFSELEKSILLALVEKYKYVLECKSDARTIALKQRTWQALAEYNSQPSVSLRDFKQL
 KKCWENIKARTKKIMAHERRREKVKRSVSPLLSTHVLGKEKIASMLPEQLYFLQSPPEEEPEYHPDASAQE
 LNVRESQVDESSCKYGGVCKEDGDLKACQFQCHTNYIPVCGSNGDTYQNECFLLRAACKKHQKEIT
 VIARGPCYSDNGSGSGEGEEGSGAEVHRKHKSKGPKYKAECDEDAENVGVCNIDCSGYSFNPVCASD
 GSSYNPNPCFVREASIKQEIDIRHLGHCTDDTSLLGKKDDGLQYRPDVKDASDQREDVYIGNHMPCP
 ENLNGYCIHGKCEFIYSTQKASCRCESGYTGQHCETDFSILYVVPVSRQKLTHVLIAAIGAVQIAIIVA
 IVMCITRKCPKNNRGRQKQNLGHFTSDTSSRMV

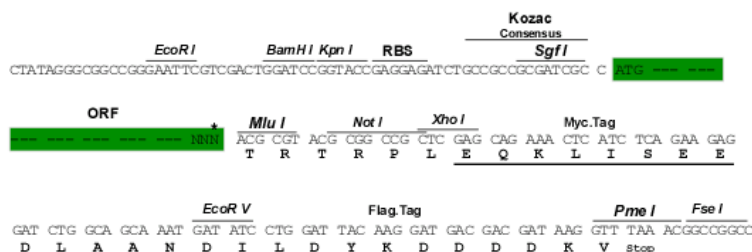
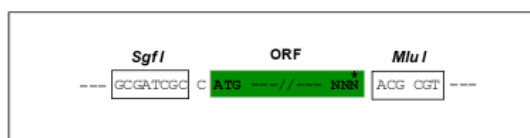
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1306_e04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001198812

ORF Size: 1362 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_001198812.1](#), [NP_001185741.1](#)

RefSeq ORF: 1365 bp

Locus ID: 100526694

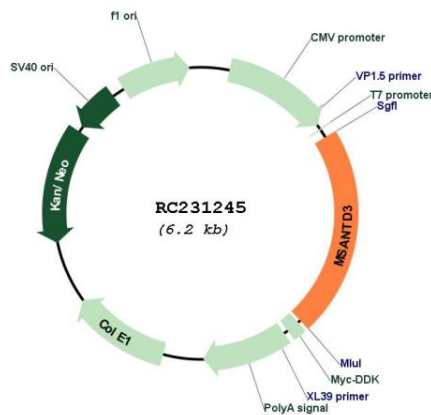
UniProt ID: [Q8IYR6](#)

Cytogenetics: 9q31.1

MW: 51.4 kDa

Gene Summary: This locus represents naturally occurring read-through transcription from the neighboring MSANTD3 (Myb/SANT-like DNA-binding domain containing 3) and TMEFF1 (transmembrane protein with EGF-like and two follistatin-like domains 1) genes. The read-through transcript encodes a fusion protein that shares sequence identity with the products of each individual gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC231245