

Product datasheet for **RG207940**

MSANTD4 (NM_032424) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MSANTD4 (NM_032424) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MSANTD4
Synonyms: KIAA1826
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG207940 representing NM_032424
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCAGTTGAAAAGAAAAGGAAAAGCAATTTAGTGTTCAAGAACTCAGACCCTTTGAAAGAAA
TTACGAAAAGGAAAGAAGTCATTTTTCCAAGCAGCTCAATACAACAATTAATGTGATGAAGCGAATGGC
TTGGGAAGAGATTGCACAGTGTGTGAATGCTGTAGGAGAAGGAGAACAGAGGACAGGGACAGAGGTGAAA
AGAAGGTACCTTGACTGGCGAGCACTTATGAAGAGAAAGAGGATGAAGGCCAACATTAAGCTGGTTGGTT
CAGGATTTCCCTTCCCTCCTCTGATTTGGATGACTCTCTCACTGAAGAGATAGATGAAAAGATTGGATT
CCGAAATGATGCAAATTTGACTGGCAAATGTGGCAGATTTACGGGATGCAGGTGGATCCCTAACTGAG
GTCAAGGTGGAAGAGGAAGAAAGGGATCCGCAGAGTCCTGAATTTGAAATTGAGGAGGAGGAAGAAATGT
TGTCATCCGTCATACCAGATTCCAGGAGAGAAAATGAACTTCCCGATTTCCCCACATTGATGAGTTTTT
TACCCTTAACTCAACACCATCTAGATCTGCATATGATGAGCCTCATTTGCTCGTAAATATTGAGAAAACAG
AACTAGAGTTGGAAAAACGACGACTGGATATCGAGGCCGAAAGGCTGCAGGTAGAAAAGGAAACCGCTAC
AAATCGAGAAAGAGAGGCTGCGGCATTTAGACATGGAACATGAGCGGCTTCAGCTAGAGAAGGAGCGGCT
GCAGATTGAAAGAGAAAAGTTGAGGTTACAGATAGTCAATTGAGAAAACCGTCCCTGGAAAATGAACTT
GGTCAAGGAGAAAAATCCATGCTTCAACCACAGGACATAGAAAACAGAGAAGTTAAAACCTGAGCGAGAAC
GCTTGCAACTGGAAAAGGATAGGCTGCAGTTTTTGAAGTTTGAATCTGAGAAGCTGCAGATTGAAAAGGA
ACGCTTACAGGTAGAGAAAGACAGACTTCAATTCAGAAAAGGACACTTGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207940 representing NM_032424
Red=Cloning site Green=Tags(s)

MKQLKRRKRSNFSVQETQTLLEITKRKEVIFSKQLNTTINVMKRMAWEEIAQCVNAVGEQEQTGTVEVK
 RRYLDWRALMKRRKMKANIKLVGSGFPLPSSDLDDSLTEEIDEKIGFRNDANFDWQNVADFRDAGGSLTE
 VKVEEERDPQSPEFEIEEEEMLSSVIPDSRRENELPDFPHIDEFFTLNSTPSRSAYDEPHLLVNIKQ
 KLELEKRRLDIEAERLQVEKERLQIEKERLRHLDMEHERLQLEKERLQIEREKLRLQIVNSEKPSLENEL
 GQGEKSM LQPQDIETEK LKERERLQLEKDR LQFLKF ESEKLQIEKERLQVEKDR LR IQEGHLQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032424

ORF Size: 1035 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_032424.3](#)

RefSeq Size: 4095 bp

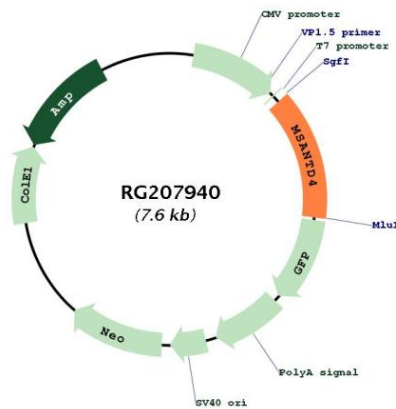
RefSeq ORF: 1038 bp

Locus ID: 84437

UniProt ID: [Q8NCY6](#)

Cytogenetics: 11q22.3

Product images:



Circular map for RG207940