

Product datasheet for **RC203850**

C9orf30 (MSANTD3) (NM_080655) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf30 (MSANTD3) (NM_080655) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C9orf30
Synonyms:	C9orf30; L8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203850 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAACAACGAAATTATAAAGCCTGCCAAATACTTCTCAGAATTGGAAAAGAGCATCCTGCTGGCTT
TAGTAGAAAAGTATAAATATGTGCTGGAATGTAAGAAAAGTGATGCGCGAACTATTGCCCTTAAGCAGCG
TACCTGGCAGGCGCTGGCCACGAATACTCTCAGCCAGCGTGTCCCTGCGGGATTTCAAACAGCTG
AAGAAGTGCTGGGAGAACATCAAGGCTCGGACCAAAAAAATTATGGCCCATGAAAGGAGAGAAAAGTGA
AACGGAGCGTCAGCCCTCTCTGAGTACCCACGTCTAGGAAGGAGAAGATCGCCAGCATGCTGCCGGA
GCAGCTCTACTTCTGCAGAGCCCCCGGAGGAGGAGCCGAATACCACCCCGACGCCTCAGCCCAAGAA
TCATTTGCTGTTTCAAATAGAGAACTGTGCGATGATGAGAAAAGAGTTCATACATTTTCCAGTATGTGAGG
GGACCTCTCAACCTGAACCTCGTGTTCAGCTGTGAGAATAACAGCCAATAAAAACTACAGGAGCAAAAAC
CTCTCAGGAAGGTGCTTTAAAAAAGATGCATGAGGAAGAACACCATCAACAAATGTCCATCTTACAACCTG
CAACTGATACAAATGAATGAGGTGCATGTGGCCAAAATCCAGCAGATAGAGCGAGAGTGTGAGATGGCAG
AGGAGGAACACAGGATAAAAAATGGAAGTTCTCAATAAAAAAGAAGATGTATTGGGAAAGAAAACACAAAC
TTTTACCAAGGAATGGCTGTTTCCTCATTTAACCGGCCCTTTCCAATTTCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203850 protein sequence
 Red=Cloning site Green=Tags(s)

MQNNEIIPAKYFSELEKSILLALVEKYKYVLECKKSDARTIALKQRTWQALAEYNSQPSVSLRDFKQL
 KKCWENIKARTKKIMAHERRKVKRSVSPLLSTHVLGKEKIASMLPEQLYFLQSPPEEEPEYHPDASAQE
 SFAVSNRELCDDEKEFIHFPVCEGTSQPEPSCSAVRITANKNYRSKTSQEGALKKMHEEEHHQMSILQL
 QLIQMNEVHVAKIQQIERECEMAEEEHRIKMEVLNKKKMYWERKLTFTKEWPVSSFNRPFNSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6302_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_080655

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_080655.3](#)

RefSeq Size: 1826 bp

RefSeq ORF: 828 bp

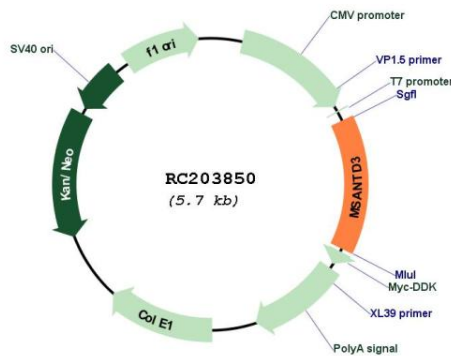
Locus ID: 91283

UniProt ID: [Q96H12](#)

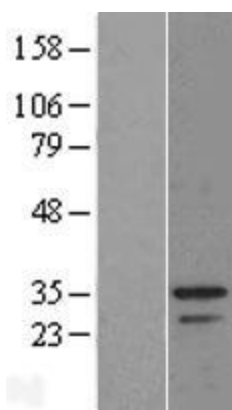
Cytogenetics: 9q31.1

MW: 32.4 kDa

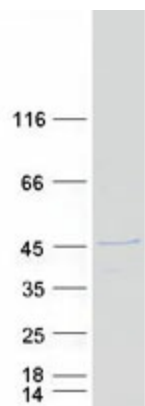
Product images:



Circular map for RC203850



Western blot validation of overexpression lysate (Cat# [LY409125]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203850 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MSANTD3 protein (Cat# [TP303850]). The protein was produced from HEK293T cells transfected with MSANTD3 cDNA clone (Cat# RC203850) using MegaTran 2.0 (Cat# [TT210002]).