

Product datasheet for RC221811

C7orf57 (NM_001100159) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C7orf57 (NM_001100159) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C7orf57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221811 representing NM_001100159 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAACACAAGCAAGGAAGTTCAGGGCGCCACGCACCGCTACGCTCCCTGCGATTGGTATTACCACG
TCCCAGTGAAGCGCTCTGAGAAGGCCGTGGATGCCCCACCAGCGTCCCAGATCCCAGGTCTCAGCAATTT
GGGAGACTCACACAGCGAGAACCTGCCTGGGACTCGGAGATACTGGATAAAAGAAACAGATTCGGAATAT
GTGAAGCTCGCGAAACAAGGTGGCAGGCCGATTTGTTGAAGCACTTTGCCCTGGAACCAGGAAAGGCT
CTCCAGTGGCCTACTCCCTGCCAGACTGGTATATCCACCACAGCAAGCCACCGACAGCCAGCCAGCAAGA
AGTGCGGGCTGTCTCCATGCCGATTACATGGTTCATGAAGAATTTAACCCCGATCAAGCCAATGGTAGC
TATGCATCCAGAAGAGGGCCCTTCGACTTCGACATGAAAACAGTTTGGCAAAGAGAGGCTGAGGAACTTG
AAAAGGAGAAAAAAGCTGAGGCTACCGCCATTGACTCAAAGTATCTGAGCAAAGCAGGCACCCCACT
TGGCCCTAAGAATCCTGCAGGAAGTAGACTCTCCTTCCCCCGTGCCTGGTCAAAAAACAGTTTCACT
ACCAATTTTTCCAACTCATTAGCAATGGTTATAAGGATGAGTGGTTGCAGCAGCAGCAGCGAGCTGACT
CAGACAAGAGGACCCGAAGACCTCCAGGGCATCAGTGTATCTCAGTCCCACGAGACCTGGAAGGTCC
CCAGGATGCAGCCAGGCTCCAGGATGCAGAGGCTTCTGAAGTCTGAGGACACCCAGAGTCTTCTCAA
AGCCAGAAGAATCTGTATCTGCATCAACACCAGCAGAGCTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221811 representing NM_001100159
Red=Cloning site Green=Tags(s)

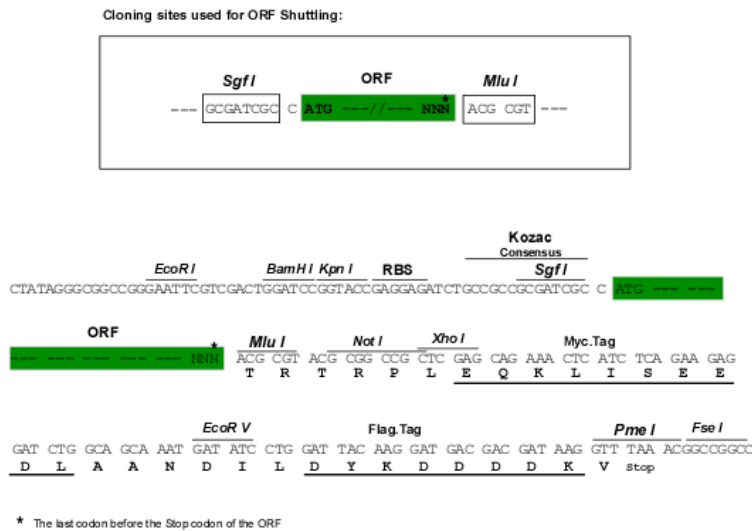
MRNTSKELQGATHRYAPCDWYYHVPVKRSEKAVDAPPASQIPGLSNLGDShENLPGTRRYWIKETDSEY
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 YASRRGPFDFDMKTVMQREAELEKEKKLRLPAIDSKYLSKAGTPLGPKNPAGSRLSFPPVPGQKNSSP
 TNFSKLSNGYKDEWLQQQRADSDKRTPKTSRASVLSQSPRDLEGPQDAARLQDAEASEGPEPTPESSQ
 SPEESVSASTPAELK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8040_b12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001100159

ORF Size: 885 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_001100159.3](#)

RefSeq Size: 2167 bp

RefSeq ORF: 888 bp

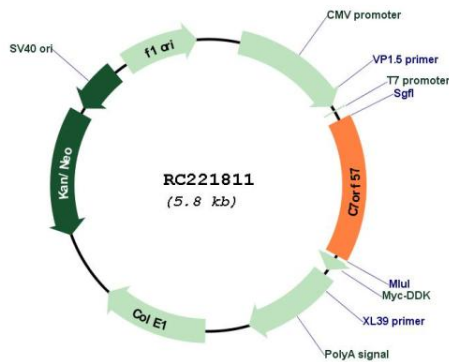
Locus ID: 136288

UniProt ID: [Q8NEG2](#)

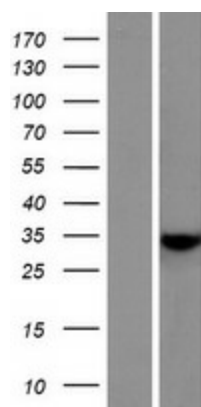
Cytogenetics: 7p12.3

MW: 32.7 kDa

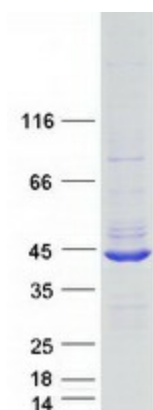
Product images:



Circular map for RC221811



Western blot validation of overexpression lysate (Cat# [LY420228]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221811 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C7orf57 protein (Cat# [TP321811]). The protein was produced from HEK293T cells transfected with C7orf57 cDNA clone (Cat# RC221811) using MegaTran 2.0 (Cat# [TT210002]).