

Product datasheet for **RC231192**

C8orf34 (NM_001195639) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C8orf34
Synonyms:	VEST-1; VEST1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231192 representing NM_001195639
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTCTCCCTCGCCTCGGAGTTGTCTGAGTTGGCGGCGCTGCGCCAGGCTTCCGGCTCTCAGCGC
CCCACGCGCGCGTGGTCCCCGGGCTGCCACCCACGCCCGCGCGGGCCGAGCCAGCCACGCAGGGCA
GCCGAGGCTCCGGAGCTCCTGTCCCGGCCAGTCCGGTAAAAGGAGGGTTGTCCCGAGCGAGGCGCA
CAGCCGCGGTTCTCCCTGCACTCTCTCGCGTCCCATCTGTTCCCATGGCGTCTCATCCGAAACCC
GGATCCAGGCTTACCTGGAGAAGAACAAGATCGGTCCCTGTTGAGGAATTAATGACCAAGTTAATAAC
TGAGACACCTGACCAGCAATCCCATTTCTCATTGACCATCTTCAGTCTAAACAAGGGAACCGTGGACAA
CTTCAAAGAACTTTGTCTGGATCTGCAGCTCTATGGGCAGAAAGTAAAAATCAGAATCCAAAGGAACAA
GAAGGGATTTCAGAAGCTATGATAAACCTTGGCAATTAATGCAAAGAAGCCTAAAAATCAAAAAGTGA
CCTTGCTGTGTCTAATATTTCTCCACCATCACCGACTCCAAATCATTGCCAAGGTCACTAGAGCATCCA
AAGTGGAACTGGAGGACTAAACCACAAAGCCGTGATTTTGATGAATTGAATCACATCCTTCAGGAGAGCA
AGAAGCTGGGAAAGCCCTTGAGAACTCTCTCGAAGTATTGCAATTCAGATGAATCGATAAGGAAAC
AGTGACATTTAATCTTCTCTCTGAGGCCCGTGTGATTGGAGAAATGGATTGGTAGAGAAGAAAATGAT
GCTGATCCCTAGCTGCTGAAATGCTACAGCCTCCAATTCAGAAGCAAAAATGACCAATGGGAAAGTG
AAGATAGTGGCTCTAGTCTGCAGGAAGCTTAAAGATGGAGCCTAAGAACAAGGATTAACACAGCAGCA
ACAGCAACATAAGAACTCCTGGCCGCAATGCTCTCAAGATTCTTTGAGTCCATCCACAGCCCTACC
CCATCTGTAAACAGAAGAAGATATTGATAATGAAGATGATGCAATGGAATTGCTGGTAATTTAAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC231192 representing NM_001195639

Red=Cloning site Green=Tags(s)

MSSPLASELSELAALRPGFRLSAPHARVAPRAATHARGRGRASHAGQPRLRSSCPGSPGKRRVVPSSGA
QPRVLPALSSRSHLFPMAHPQTRIQAYLEKNKIGPLFEELMTKLITETPDQIPFLIDHLQSKQGNRGQ
LQRTLSGSAALWAESEKSESKGTRDFRSYDKPWQLNAKKPKKSKSDLAVSNISSPPSPDSKSLPRSVHP
KWNWRTKQSRDFDELNHILQESKKLGKALENLSRSIAISDELDKETVTFNSSLLRPRVIGEWIGREEND
ADPLAAEMLQPPIPRSKNDQWESEDGSSPAGSLKMEPKNKGLKQQQQQHKLLAAMLSDSFESIHSPT
PSVTEEDIDNEDDAMELLGNFKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

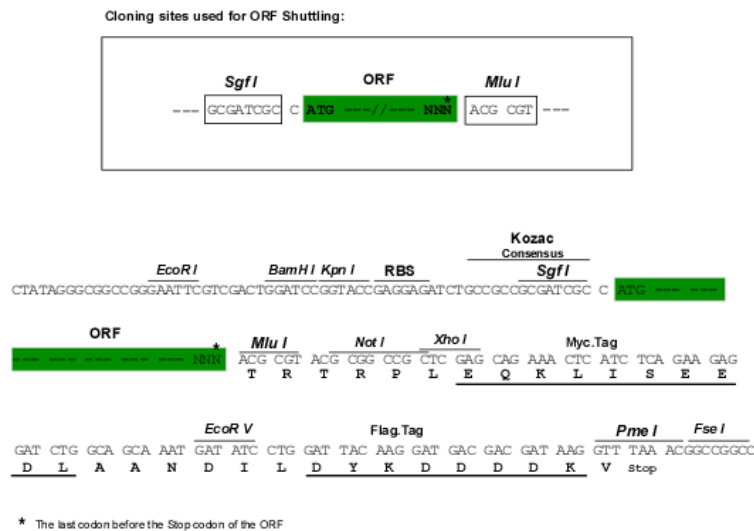
Chromatograms:

https://cdn.origene.com/chromatograms/mk8055_d09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001195639

ORF Size:

1119 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:

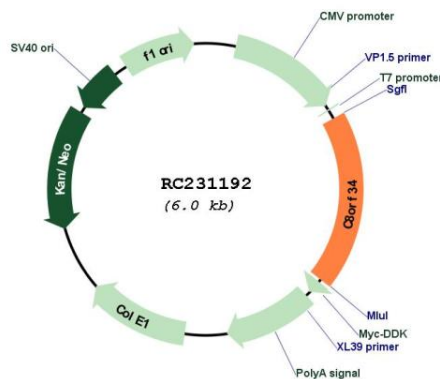
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

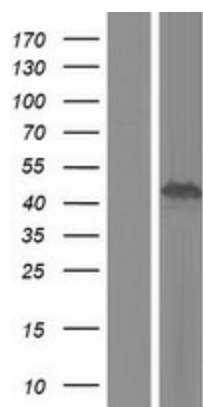
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001195639.2
RefSeq ORF:	1122 bp
Locus ID:	116328
Cytogenetics:	8q13.2
MW:	41.9 kDa
Gene Summary:	This gene encodes a protein that is related to the cyclic AMP dependent protein kinase regulators. Naturally occurring mutations in this gene are associated with an increased risk for severe toxicities, such as diarrhea and neutropenia, in patients undergoing chemotherapeutic treatment. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RC231192



Western blot validation of overexpression lysate (Cat# [LY434191]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231192 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).