

Product datasheet for **RG204997**

C9orf78 (NM_016520) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf78 (NM_016520) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C9orf78
Synonyms:	bA409K20.3; CSU2; HCA59; HSPC220
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204997 representing NM_016520 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTCGTCCGGAAGATTTCCGTCGCCGCCGGGTGACTCGGAGTCAGAGGAAGATGAGCAGGACT
CAGAGGAGGTTTCGATTAAGAACTGGAAGAGACCAGAGAGGTACAGAACTTGAGGAAGAGGCCCAACGGGT
GAGTGTGTGGCCTTGTGGTGGGAGAGAAGGTACAAGAGGAGACCCTCTAGTGGATGATCCCTTTCAG
ATGAAGACAGGTGGTATGGTGGATGAAGAACTGAAGGAAAGGGCAAAGATAAGATCAGTGAGGAGG
AGGACCTGCACCTGGGGACATCGTTTTCTGCAGAAACCAACCGAAGGGATGAGGATGCAGACATGATGAA
GTACATTGAGACAGAGCTAAAGAAGAGGAAAGGGATCGTGAACATGAGGAACAGAAAGTTAAGTCAAAG
AATGCAGAGGACTGTCTTTATGAACTTCCAGAAAACATCCGTGTTTTCTCAGCAAAGAAGACCGAGGAGA
TGCTTTCCAACCAGATGCTGAGTGGCATTCTGAGGTGGACCTGGGCATCGATGCTAAAAATAAAAAATAT
CATTTCCACGGAGGATGCCAAGGCCCTGCTGTCGAGAGCAGCAGAGCAAGAAGAAAGACGCGAGACC
TCCTTCGTGCCTACCAACATGGCTGTGAATTATGTGCAGCACAACAGATTTATCATGAGGAGCTCAACG
CGCCATACGGAGAAACAAGAAGAGCCCAAGGCCCGCCCTTGAGAGTAGGTGACACGGAGAAGCCAGA
GCCTGAGCGGTCCCCTCCTAACCGAAGCGTCTGCTAACGAGAAGGCAACTGATGACTATCATTATGAG
AAGTTCAAGAAAATGAATAGGCGGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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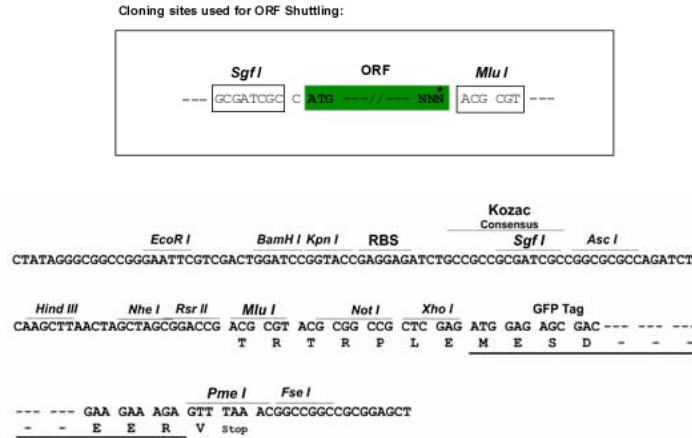
Protein Sequence: >RG204997 representing NM_016520
 Red=Cloning site Green=Tags(s)

MPVVRKIFRRRRGDSESEDEQDSEEVRLKLEETREVQNLKRPNVSAVALLVGEKVQEETTLVDDPFQ
 MKTGGMVDMMKCLKERKDKISEEDLHLGTSFSAETNRRDEDADMKYIETELKKRKGIVEHEEQVKVSK
 NAEDCLYELPENIRVSSAKKTEMLSNQMLSGIPEVDLIDAKIKNIISTEDAKARLLAEQSKKKDSET
 SFVPTNMAVNYVQHNRFYHEELNAPIRRNKEEPKARPLRVGDTEKPEPERSPPNKRKRPANEKATDDYHYE
 KFKKMNRRY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016520

ORF Size: 867 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_016520.2](#), [NP_057604.1](#)

RefSeq Size: 1835 bp

RefSeq ORF: 870 bp

Locus ID: 51759

UniProt ID: [Q9NZ63](#)

Cytogenetics: 9q34.11

Gene Summary: Involved in the regulation of telomeric heterochromatin assembly and control of telomere length.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204997