

Product datasheet for **SC114189**

C9orf78 (NM_016520) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf78 (NM_016520) Human Untagged Clone
Tag:	Tag Free
Symbol:	C9orf78
Synonyms:	bA409K20.3; CSU2; HCA59; HSPC220
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114189 sequence for NM_016520 edited (data generated by NextGen Sequencing)

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ATGCCGGTCGTCGGGAAGATTTCCGTCGCCCGGGGCGACTCGGAGTCAGAGGAAGAT
GAGCAGGACTCAGAGGAGTTTCGATTAATAACTGGAAGAGACCAGAGARGTACAGAACTTG
AGGAAGAGGCCCAACGGGGTGAGTGCTGTGGCCTTGCTGGTGGGAGAGAAGGTACAAGAG
GAGACCACTCTAGTGGATGATCCCTTTCAGATGAAGACAGGTGGTATGGTGGATATGAAG
AACTGAAGGAAAGGGGCAAAGATAAGATCAGTGAGGAGGAGGACCTGCACCTGGGGACA
TCGTTTTCTGCAGAAACCAACCGAAGGGATGAGGATGCAGACATGATGAAGTACATTGAG
ACAGAGCTAAAGAAGAGGAAAGGGATCGTGGAACATGAGGAACAGAAAGTTAAGCCAAAG
AATGCAGAGGACTGTCTTTATGAACTTCCAGAAAACATCCGTGTTTCTCAGCAAAGAAG
ACCGAGGAGATGCTTTCCAACCATGCTGAGTGGCATTCTGAGGTGGACCTGGGCATC
GATGCTAAAATAAAAAATATCATTTCCACGGAGGATGCCAAGGCCCGTCTGCTGGCAGAG
CAGCAGAACAAGAAGAAAGACAGCGAGACCTCCTTCGTGCCTACCAACATGGCTGTGAAT
TATGTGCAGCACAAACAGATTTTATCATGAGGAGCTCAACGCGCCCATACGGAGAAACAAA
GAAGAGCCCAAGGCCCGGCCCTTGAGAGTAGGYGACACGGAGAAGCCAGAGCCTGAGCGG
TCCCCTCTAACCGAAGCGTCTGCTAACGAGAAGGCAACTGATGACTATCATTATGAG
AAGTTCAAGAAAATGAATAGGCGGTACTGA
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Clone variation with respect to NM_016520.2
108 g=>r;753 t=>y



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016520 unedited</p> <pre>GTTCAACTTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGCAGAGGC GCGGCGGCTGTACAACCTCGGCCGTTGTCACCATGCCGGTCGTCCGGAAGATTTCCGTCG CCGCCGGGGCGACTCGGAGTCAGAGGAAGATGAGCAGGACTCAGAGGAGGTTTCGATTA ACTGGAAGAGACCAGAGAAGTACAGAACTTGAGGAAGAGGCCAACCGGGTGAGTGCTGT GGCCTTGCTGGTGGGAGAGAAGGTACAAGAGGAGACCCTCTAGTGGATGATCCCTTTCA GATGAAGACAGGTGGTATGGTGGATATGAAGAACTGAAGGAAAGGGGCAAAGATAAGAT CAGTGAGGAGGAGACCTGCACCTGGGGACATCGTTTTCTGCAGAAACCAACCGAAGGGA TGAGGATGCAGACATGATGAAGTACATTGAGACAGAGCTAAAGAAGAGGAAAGGGATCGT GGAACATGAGGAACAGAAAGTTAAGCCAAAGAATGCAGAGGACTGTCTTTATGAACTTC AGAAAACATCCGTGTTTCTCAGCAAAGAAGACCGAGGAGATGCTTTCACACAGATGCT GAGTGGCATTCTGNAGTGGACCTGNGCATCGATGCTAAAATAAAAAATATCATTCCAC GGAGGATGCCAAGGCCCGTCTGCTGGCAGAGCAGCAGAAACAAGAAGAAAGACAGCGAGA CCTNCTTCGTGCCTACCAACATGGCTGTGAATTATGTGCAGCACAAACAGATTNNTATCAT GAGAGCTCAACGCGCCCATACGGAGAAACCAAGAGAGCCANGGCCCGGNCCTTGAGAGT AGGCGACACGGAGAGCCAGAGCTGAGCGTCCCCTNCTAACCGCAGCGTNTGCTACGAGA AGGCACTGATGACTATCATATGAGAAGTCAGAAATGATAGGCGTA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016520 unedited</p> <pre>NNNNNNNGGGTTATAGCTTGNACCCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTGGGATTCATTTTGAATTTAATAATTCTAATAGTAAACAAGA AACATAGTTTATGCTTTTTTTTAAATGAAAACAAACAAGTAATTTTGAAAAGTCAGAAA ACACCAGTATCCTTCTGATCTCATCCTGGATTTTCTGTCAGCTGGAGGATGCATTTCTG ACCCCATCCCAGACACGTGAAAGCAGAAGACATGATGCATCTATTATAATGAAAGCACAA TCTAAAGAGTATTATCACACCGTGAACAGCTTCTTCTGACCCAGAGCAAATATTAAGAG AAAGACCATATATTTACCAACCAGATTTAATAATGCTCACAAGAATAGAGTTTGCCCCC AATGGAATAATTACACATTATTTGTTTCAAAAAGTTATAAATTTAGTGCTTGAAAATCC CGCAGGTAAGTAGAAGGACTAACAGGGTCTGTTTCTGGAAGTGTCCGCCAGCAAATGAAC ATGCTCTGCTCCTGGAAGCCAATTTTCTTTTCTTCTTTTTTTTTTTTTTCTTGAGACAGA GTTTTTTGCTCGTTGCCAAGCTGGAGTACAAAGGTGCAATCTCGGGTCACCACAACCTC GCTCTTTTGGGGTTCAAGGCAATTTTCCCTGCCCCAGCCCTCCTGAGCAACTTGGGATT ACAGGCATGTGCCCCCACGCTCGGGTAAATTTTTTCGTATTTTTCATAAGAGACCTGG GGTTCTTCCCTGTTGGGTCAAGCCTGGTCTCAAACCTCCCGAACTCCGGGGGATCCGCC CCCTCCGGGCTCCCAAGGGCCGGGGATT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016520
Insert Size:	1850 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_016520.1](#), [NP_057604.1](#)

RefSeq Size: 1780 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]