

Product datasheet for SC113693

CENPQ (NM_018132) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPQ (NM_018132) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENPQ
Synonyms:	C6orf139; CENP-Q
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113693 sequence for NM_018132 edited (data generated by NextGen Sequencing)

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ATGTCTGGTAAAGCAAATGCTTCCAAGAAAAACGCTCAACAGTTAAAAAGAAATCCAAAG
AGAAAAAAGGATAATGAGGAAGTTGTGTTGTCAGAGAATAAGGTTAGAAACACAGTGAAA
AAAAATAAAATCATCTGAAAGATCTGTCTTCTGAAGGACAAACAAGCACACTAACCTA
AAACACGGAAAGACAGCAGCCAGCAAGAGAAAAACCTGGCAACCTCTGTCAAAGAGTACC
AGAGACCATTTGCAAATGATGGAATCAGTAATAATGACAATTTTGAGTAACAGTATT
AAAGAAAAAGAAGAAATACAATACCATCTCAACTTCTGAAGAAAAAGATTGCTACAACAG
TGTGAACTCTGAAAGTCCCTCCAAAAAGATGGAAGATTTAACTAATGTATCAAGTCTA
CTGAATATGGAAGGGCACGAGACAAAGCTAATGAAGAAGGTCTGGCATTACTACAGGAA
GAAATAGATAAAATGGTAGAGACCACAGAGTTAATGACTGGGAATATTCAGAGCCTAAAG
AACAAAATTCAGATTCTGGCAAGTGAGGTGGAAGAAGAAGAGGAGAGGTAAAACAGATG
CATCAAATAAATAGTAGTGGAGTACTCTCTTCCGGAACCTTCTCAGAAAACCTCAA
GCACCCACACTTCAGAAAGAAATTTTGGCGCTAATTCCAAACCAGAAATGCTCTTCTAAAG
GACTTGGATATTCTTATAATTCATCACAGATGAAGAGCATGTCAACCTTCATTGAAGAA
GCCTATAAGAACTGGGTGCATCTTAA

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Clone variation with respect to NM_018132.3
797 a=>g



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018132 unedited GTCAAAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGGCGGCACGAGG CGAATGTTTGGGCGCAATTACTCTAAGCGCGGCTCTCAGAAGGGTGCAAGAAGAATCAG TGATTTTTTTTTTTTTCGAAGCACTGTGTTTAGATCAAGATGTCTGGTAAAGCAAATGCT TCCAAGAAAAACGCTCAACAGTTAAAAAGAAATCCAAAGAGAAAAAGGATAATGAGGAA GTTGTGTTGTGAGAGAATAAGGTTAGAAACACAGTGAAAAAAAATAAAAAATCATCTGAAA GATCTGTCTTCTGAAGGACAAACAAAGCACACTAACCTAAAACACGGAAAGACAGCAGCC AGCAAGAGAAAAACCTGGCAACCTCTGTCAAAGAGTACCAGAGACCATTGCAAACTATG ATGGAATCAGTAATAATGACAATTTTGAGTAACAGTATTAAGAAAAAGAAGAAATACAA TACCATCTCAACTTCTGAAGAAAAGATTGCTACAACAGTGTGAAACTCTGAAAGTCCCT CCCAAAAAGATGGAAGATTTAACTAATGTATCAAGTCTACTGAATATGGAAGGGCAGCA GACAAAGCTAATGAAGAAGGTCTGGCATTACTACAGGAAGAAATAGATAAAATGGTAGAG ACCACAGAGTTAATGACTGGGAATATTCAGAGCCTAAAGAACAAAATTCAGATTCTGGCA AGTGAGGTGGAAGAAAGAGAGGAGAGAGTAAAACAGATGCATCAAATAAATAGTAGTGAA GTACTCTCTTCCGGAACCTTCTCAGAAAACCTTCAAGCACCCACACTTCAGAAAGAA ATTTTGGGCGCTATTCCAAACAGAATGCTCTTCTTAAGGACTTGGATTTTCTTCATATTC ATCCAGATGAGGAGCTGTCAACCTTCATGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018132 unedited CCGCGGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGTAGAAATAATTTTTT ATACACTAGGTTATAACTTATTCACATATATAAGCTTATTATCATAATAAGAAAAGGTTT ATATATTTTGGGTTTTCTTGTTTAATAAAAATAAATGTGCTAAGGTTCTTTTTTAATACT TTTTGGGAATATGTTTTGATGACAGTAGAAAATATTCAACATTAATTCACTAAACAACCA AAGAAGTAAAATTTGATACTACCTCCAAGTTAAAGATAGCAGGCATATCTTAACTACT TCCAAAAAGACTAGGGAGTTAGGTAAAAGAGTGAAGGCATTTGAGGATTTTTCAAGTTC CAGATGACCAGACAGAACTGTAAGCCATTGGCTACAGAATGAATGATAGCAAACACTAA GGTTTTTATGCACTAGACAGTGTATGTAACACTTACTTATCACAGCTCCTGATATGAGC TGTTAACCAATAAATGAGTTCATTTCAGGCATTATAAATAATAGATCCTTAAGGCAATT CCTATTTTATGGTTTTAGGCAAATACTTATAGATACAGCAATATAAATGTTAGTTTCTTA GATTTGGCAACTGCTAAAAACAGTCTTCAGAACTACACTAGATGCTAATGATAGAACTAC AAAGACTAATNTAAAGTGCATATCANGAGATAATAAATCCTGCAGAAGCCTTAGCCTCT GTCATATAATCATANGTTAACAGTNTTACAATTCACGAACATTAATTTATTATGGACAAT CTANAAAANAACACTCTTTTAGATGCACCCAGTTTCTTATAGGCTTCTTCATTGAAGTT GACATGCTCTTCATCTGTGATGAATTATGAAGAATATCCAGTCTTTAAAGAGCTTTCTG TTTTGGATTANCGCCAAATTTTTTCTGATGTGGGTGCTCTTAAAGTTTTTGAAAAGTN</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_018132
Insert Size:	1690 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_018132.3](#), [NP_060602.2](#)

RefSeq Size: 1753 bp

RefSeq ORF: 807 bp

Locus ID: 55166

UniProt ID: [Q7L2Z9](#)

Cytogenetics: 6p12.3

Gene Summary: CENPQ is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]). [supplied by OMIM, Mar 2008]