

Product datasheet for **SC101269**

CPNE8 (NM_153634) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPNE8 (NM_153634) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPNE8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC101269 sequence for NM_153634 edited (data generated by NextGen Sequencing)

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ATGGACAGCCGCTACAACAGCACTGCGGGCATCGGGGACTTGAACCAGCTGAGCGCTGCC
ATCCCCGGCCACCCGGGTGGAGGTGTCCGTGTCCTGCAGAAATCTTCTTGACAGAGACACA
TTTTCTAAATCTGATCCAATTTGTGTCTTATATGTACAAGGAGTTGGAATAAAGAATGG
AGAGAGTTTGAAGAACTGAAGTAATTGATAATACTTTAAATCCTGATTTTGTAAAGAAAG
TTTATTCTGGACTACTTTTTTGAAGAAAGAGAGAATCTTCGTTTTGACTTGTATGATGTT
GATTCAAAGAGCCCCAACTTATCCAAACATGACTTTCTGGGACAAGTGTGTTGTACATTG
GGAGAGATCGTTGGTTTACAGGGAAGTCGCCTGAAAAACCAATAGTAGGAATCCAGGG
AAGAAATGTGGTACAATCATACTTACAGCAGAGGAATTAAGTGTGCAGGGATGCCGTT
TTGATGCAATTTTGTGCAACAAATTGGACAAGAAGGACTTCTTTGAAAAATCAGATCCT
TTCCTTGATTTTATCGAAGTAATGAAGATGGCAGTTTACAATTTGTCACAAGACAGAA
GTTGTCAAAAACACTCTAAATCCAGTATGGCAAGCATTCAAGATCTCAGTCAGAGCATT
TGTAATGGAGACTATGACAGAACAATCAAAGTAGAGGTGTATGACTGGGACCGAGATGGA
AGTCATGATTTTATTGGAGAATTTACAACAAGCTATAGGGAACCTTCTAGAGGGCAGTCA
CAATTCATGTATATGAGGTGGTGAATCCAAAAAGAAAGGAAAAAGAAAAAATACT
AATTCTGGAACAGTAACCTTACTCTCTTCTTGGTAGAAACAGAAAGTTTCATTCCTTGAC
TACATTAAGGGAGGGACGCAATCAATTCACAGTGGCTATTGATTTTACAGCATCAAAAC
GGCAACCTTGCTCAGCCCACTTCCCTCCACTACATGAATCCTTACCAACTGAATGCCTAT
GGTATGGCACTAAAAGCAGTGGGAGAAATTGTTCAAGATTATGACAGTGATAAATGTTT
CCAGCTCTAGGATTTGGTGCAAACTGCCTCCAGATGGAAGGATATCTCACGAATTTGCT
TTGAATGGGAATCCTCAAAACCCCTACTGTGATGGCATTGAGGGGGTCATGGAGGCTTAT
TACAGGAGTCTGAAATCTGTACAATATATGGGCCCACTTGTCTCCTGTAATTAAT
CATGTAGCAAGATATGCTTCTTCTGTAAAGGATGGCTCCAGTATTTTGTGCTTCTGATT
GTTACAGATGGTGTATCTCAGATATGGCCAGACTAAGGAGTCCATAGTTAATGCCTCA
AACTTCCAATGTCAATAATTATAGTAGGTGTTGGACCAGCAGAAATTTGATGCAATGGTC
GAATTGGATGGAGATGATGTAAGAGTCTCCTCTAGAGGAAATATGCTGAAAGAGACATT
GTGCAGTTTGTGCCATTCAGGGATTATATTGACAGAAGTGGAAACCACATACTGAGCATG
GCTAGATTGGCTAAAGATGTCCTAGCTGAGATCCCTGAGCAGTTTCTCTCCTATATGAGA
GCCCAGGAATCAAGCCATCACCTGCGCCTCCCCATACACCCACCTACACATGTGTTA
CAGACTCAATATGA

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Clone variation with respect to NM_153634.2
72 g=>c;789 c=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153634 unedited ACTTCTATAGGGCGGCCGAATTCGGCACGAGGAGCTAGCCCTCAGTCCGCCCGAGCTG TGGTTGTGGGCGCCGACAAGTCCAAGGCGCTCCTCCAATATGGACAGCCGCTACAAC AGCACTGCGGGCATCGGGGACTTGAACCAGCTGAGCGTGCCATCCCGGCCACCCGGGTG GAGGTGTCCTGTCTGCAGAAATCTTCTTGACAGAGACATTTCTAAATCTGATCCA ATTTGTGCTTATATGTACAAGGAGTTGGAAATAAAGAATGGAGAGAGTTTGAAGAAGT GAAGTAATTGATAATACTTTAAATCCTGATTTTGTAAAGAAAGTTATTCTGGACTACTTT TTTGAAGAAAGAGAGAATCTTCGTTTTGACTTGTATGATGTTGATTCAAAGAGCCCAAC TTATCCAAACATGACTTTCTGGGACAAGTGTTTTGTACATTGGGAGAGATCGTTGGTTCA CAGGGAAGTCGCCTGGAAAAACCAATAGTAGGAATTCAGGGAAGAAATGTGTTACAATC ATACTTACAGCAGAGGAATTAAGTGTGCAGGGATGCCGTTNTGATGCCATTNTGTGCG AACAAATTGGACAAGAAGGACTTCTTTTGGAAATCAGATCCTTCTTGTATTNTATCGA AGTAATGAAGATGGGCAGTTTACCATTTGTCACAAGACAGAAAGTGCAAAACACTCTTA ATCCAGTATGGCCAGCATTTTCAATCTCAGTCAGAGCATTATGTATGGAGACTATGACA GNNACATCAAGTANAGGTGTATGACTGGGACCGANATGGAAGTCATGATTCCATTGGAAG ATTTACACAAGCTATGGNAACTTCTAGAGGNCAGTCCATTGATTTGAGTGGTGAATC CAAAGAGGAAAAGAAAATTACTANTCTGAACGNACTACTTCTCTGTAGACAGAGTTC ATCTGATACTAGGAG
Restriction Sites:	NotI-NotI
ACCN:	NM_153634
Insert Size:	3100 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:	<u>NM_153634.2, NP_705898.1</u>
RefSeq Size:	3476 bp
RefSeq ORF:	1695 bp
Locus ID:	144402
UniProt ID:	<u>Q86YQ8</u>
Cytogenetics:	12q12

Gene Summary:

Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. [provided by RefSeq, Jul 2008]