

Product datasheet for **MG219091**

Cpne7 (NM_170684) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpne7 (NM_170684) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cpne7
Synonyms:	AW047065
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219091 representing NM_170684
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGCGACTCGGAGCGCGGTGGCCCCGGGGTGGTGCCTGCACCCTGCGCCTCGAAGTGGAGC
 TGGCGCTGAGCTGCCGGACCTGCTGGACCGGGACCCATTGACCAAGTCCGACCCAGCGTGGTGCCTGCT
 GCAGCAGGCACAGGGCCAGTGGCTACAGGTGGACAGAACAGAGGTGGTGAAGAGCAGCCTGCATCCTGTG
 TTCTCCAAGTCTTCACTGTCGACTACTACTTCGAGGGGGTGCAGAAGCTACGGTTTGGAGTGTATGACA
 CCCACGGGCTAGTGGGCTGACTTGCCAGGATGATGACTTCTAGGGGGCATGGAGTGTACCCTGGGTCA
 AATTGTGGCCAGAAGAAGATGACACGGCCATTGCTGTTGCGATTGCGCAGGAATGCTGGCAAGTCCACC
 ATCAGGTTGATAGCAGAGGACATCTCTGGGAACAACGGCTATGTGGAGCTCTCCTCCAGGCCCGGAAAC
 TGGATGACAAGGACCTCTTCAGCAAGTCGGACCCCTTCTAGAGCTGTATCGGGTAAATGACGACGGGAG
 TGAGCAGCTCGTGTACAGGACAGAGGTAGTGAAGAACAATCTTAACCCAGTGTGGGAACCCCTCAAGGTG
 TCCTGAATTCACCTCTGCAGCTGCGAGGAGACACGGCCTCTGAAGTGCCTGGTCTGGGACTATGACTCCC
 GAGGAAAGCATGACTTCATTGGCGACTTACCACCACGTTGCGAGAGATGCAAGAAGGCCCTTTGAGGAGGA
 GCAGCAGGCCAGTGGGACTGTGTGAATGCCAAGTACAAACAGAAGAAGCGCAATTACAAGAATCCGGG
 GTGGTGTCTGGCAGACCTGAAGCTCCACAGGGTCCACTCCTTCTGGATTACATCATGGGTGGCTGCC
 AGATCCACTGTACGGTAGCCATCGACTTACAGCCTCCACGGTGACCCGAGGAACAGCTGCTCCCTCCA
 CCACATCAACCTTACCAGCCCAACGAGTACCTGAGGGCATTGGTGGCAGTGGGCGAGGTCTGCCAGGAT
 TATGACAGTGACAAGCGGTTTTCTGCTCTGGGATTTGGAGCCCGATCCCTCCCAAGTATGAGGTCTCC
 ACGACTTTGCCATCAATTTCAACCTGAGGACGATGAGTGTGAAGGAATCCAGGGCGTGGTGGAGGCCA
 CCAGAAGTGCCTGCCGAAGGTTACGCTCTACGGCCCCACCAACGTGGCACCCATCATCTCTAAGGTGGCC
 CGCATGGCAGCGGCTGAGGAGAGCACAGGAGAGGCTTCTCAATATTACATACTGCTGATCCTCACGGACG
 GTGTGGTACGGATATGTCGGACACTCGAGAGGCCATTGTGCGTGCCTCCACCTGCCATGTCTGTGAT
 CATTGTTGGGGTGGGCAACGCTGACTTACAGATATGCAAATCTTAGACGGGGATGATGGAGTCTGCGT
 TCCCCACGGGCGAGCCTGCACTCCGGGACATCGTTAGTTTGTGCCCTCCGTGAGCTAAAGAACGCAT
 CCCCCGACGACTGGCCAAGTGTGTGTTGGCCGAGGTGCCAAAGCAGGTGGTTGAATACTACAGCCACAA
 GGAGCTGCCTCCTCGAAGCCTTGGCGCCAGACTGGAGAGGCTGCTGCCAGCTCAGCGCCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219091 representing NM_170684
 Red=Cloning site Green=Tags(s)

MSGDSERAVAPGVVPAPCASKVELRLSCRHLDRDPLTKSDPSVLLQQAQGWLQVDRTEVVKSSLHPV
 FSKVFTVDYDFEGVQKLRFVYDTHGPSGLTCQDDDFLGMECTLGQIVAQKMRPLLLRFGRNAGKST
 ITVIAEDISGNNGYVELSFQARKLDDKDLFSKSDPFLELYRVNDDGSEQLVYRTEVVKNNLNPVWEPFKV
 SLNSLCSCEETPLKCLVWDYDSRGKHDFIGDFTTFAEMQKAFEEEQQAQWDCVNAKYQKRNKNSG
 VVILADLKLHRVHSLFDYIMGGCQIHCTVAIDFTASNGDPRNSLHHINPYQPNEYLRALVAVGEVCQD
 YDSDKRFSALGFGARIPPKYEVSHDFAINFNPEDDECEGIQGVVEAYQNCLPKVQLYGPTNVAPIISKVA
 RMAAAEESTGEASQYYILLILDGVTDMSDTREATIVRASHLPMSVIVGVGNADFDMQILDGDDGVLR
 SPRGEPALRDIVQFVFPRELKNASPAALAKCVLAEVVKQVVEYYSHKELPPRSLGAQTGEAAASSAP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_170684
ORF Size:	1671 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:	<ol style="list-style-type: none">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_170684.2 , NP_733785.1
RefSeq Size:	2421 bp
RefSeq ORF:	1674 bp
Locus ID:	102278
UniProt ID:	Q0VE82
Cytogenetics:	8 E1
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 encodes 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]