

Product datasheet for **RN213614**

Copb2 (NM_021765) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Copb2 (NM_021765) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Copb2
Synonyms:	p102; Rack2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213614 representing NM_021765
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCTTCGACTTGACATCAAGAGAAAGCTAACTGCTATGTCTGATCGGGTTAAGAGTGTGGATTGCG
 ATCCGACTGAGCCATGGATGCTGGCTAGTCTTTACAATGGCAGTGTGTGTTTGGAAATCATGAAACTCA
 GACGCTGGTGAAGACCTTTGAAGTGTGTGATCTCCCTGTTTCGAGCTGCGAAGTTTGTGCGAAGGAAGAAC
 TGGGTGGTACAGGAGCAGATGATATGCAGATTAGAGTGTTC AATTATAACACCCCTGGAGAGGGTGCACA
 TGTTTTGAAGCACACTCGGATTACATCCGTTGCATTGCTGTTTATCCCACCCAGCCGTTTATTCTCACAAG
 CAGTGATGACATGCTTATTAAGCTCTGGGACTGGGACAAAAAATGGTCTTGTTCACAAGTGTGTTGAAGGA
 CACACGCATTATGTTATGCAGATTGTGATAAACCCCAAAGATAACAATCAGTTTGCCAGTGCATCTCTCG
 ACAGGACCATCAAGGTGTGGCAGCTGGGCTTTCATCACCAAACCTTACGCTGGAGGGACATGAAAAAGG
 CGTGAATTGCATTGATTACTACAGTGGTGGTGTAAAGCCATACCTCATTTTCAGGTGCAGATGACCGGCTC
 GTTAAAAATATGGGATTATCAGAATAAACTTGTGTGCAGACCCCGAGGGACATGCCAGAAATGTGTCAT
 GCGCAACGTTCCATCCTGAGCTGCCATCATCATCACAGGGTCGGAAGACGGAACGGTGGCAATTTGGCA
 CTCCAGACCTACCGGCTGGAGAGCACACTGAATTACGGAATGGAGCGAGTGTGGTGTGTGGCCAGTCTG
 AGAGGCTCCAACAATGTCGCTCTGGGCTACGATGAAGGGAGCATCATTGTTAAGCTTGGTCGGGAGGAAC
 CTGCCATGTCCATGGATGCCAATGGAAAGATAATCTGGGCCAAGCATTAGAGGTCCAGCAGGCCAACCT
 GAAAGCAATGGGTGACACCGAAATTAAGATGGAGAAAGACTGCCACTAGCAGTAAAGGATATGGGCAGC
 TGTGAAATATATCCACAGACCATTACAGCAATCCTAATGGGAGGTTTGTGCTGGTGTGTGGTGTGGAG
 AATATATCATCTACACAGCAATGGCCTTGAGAAACAAGAGCTTTGGATCTGCCAGGAGTTTGCATGGGC
 CCACGATTCTTCAGAGTATGCAATAAGAGAAAGCAACAGTGTGTAAGATATTTAAGAACCTTAAGGAA
 AAGAAATCATTTAAACCTGATTTTGGAGCTGAAAGTATCTATGGGGGCTTCTGTGGGAGTCAGGTCTG
 TAAATGGCTTAGCATTCTATGACTGGGAGAATACCGAACTCATCCGAGAAATGAAATTCAGCCCAAGCA
 CATCTTCTGGTCTGACTCTGGAGAGCTGGTCTGTATTGCCACCGAGGAGTCATTTTTTATTCTTAAATAT
 CTGTCAGAAAAAGTCTTGGCTGCACAGGAAACCCAGGAGGTTACTGAGGATGGCATTGAGGACGCCCT
 TTGAGGTTCTTGGTGAATTCAGGAAATGTGAAAACCTGGGCTGTGGGTAGGTGACTGCTTCATCTACAC
 AAGTTCTGTGAACAGATTAACCTATTATGTGGGAGGCGAGATTGTCACCATTGCCCACTTGACAGGACA
 ATGTACCTTCTGGGCTATATTCCAAAAGACAATAGGCTTTATCTGGGAGATAAAGAAATTGAACATAGTTA
 GCTACTCCCTGTTAGTTTCAGTCTGGAATACCAGACTGCTGTCATGCGGAGGGATTTTCAGCATGGCTGA
 TAAGGTGCTCCCTACTATCCCAAAGAACAGAGGACCAGAGTTGCACACTTTTTTGAAAAGCAGGGCTTC
 AAGCAGCAAGCACTCACAGTATCCACAGATCCTGAACATCGTTTTGAGCTTGCTCTTCAACTTGGGGAGC
 TGAAAAATTGCTTACCAGTTAGCAGTGGAGGCGAGTGGAGCAGAAGTGGAAACAACCTTGCCGAACCTGC
 CATTAGTAAATGTCAGTTAGCCTAGCCAGGAGTGTGTCACCATGCCAGGACTACGGTGGTCTGCTG
 CTCTTGGCCACTGCCTCTGGAACGCTAGTATGGTGAACAAGCTGGCAGAAGGTGCGGAGAGAGATGGCA
 AAAATAACGTGGCATTTCATGAGCTATTTTTTACAGGGCAAGCTTGATGCTTGCCTAGAGCTCTTGATCAG
 AACAGGAAGACTCCAGAAGCCGCTTCTGGCCGAACCTTACTTACCCAGCCAGTCTCAAGGGTAGTG
 AAGTTGTGGAGGAGAATCTCTCAAAGTCAACCAGAAAGCAGCAGAATCCCTCGCTGACCCACAGAGT
 ATGAAAACCTTTTCCCTGGATTAAGAAAGCCTTTGTTGTTGAAGAATGGTGAAGGAGACACATGCGGA
 TCTGTGGCCAGCCAAGCAGTACCCTCTGTACGCCAAATGAAGAGAGAAATGTTATGGAAGAGGCAAAA
 CGGTTTACGCCCTCAAGAGCCACAGCTCAGCAGGAACCTGATGGGAAACCAGCTTCTAGCCAGTTATCA
 TGGCCTCCCAAACCACTCACAAGAAGAAAAGAGTTTCCAGGAAGTGAAGATGATTTAGATACCATGGA
 ATTAGAGGATATTGATACAACAGACATCAATCTGGATGAAGATATTCTGGATGAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_021765

Insert Size:	2718 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:	<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_021765.1 , NP_068533.1
RefSeq Size:	3025 bp
RefSeq ORF:	2718 bp
Locus ID:	60384
UniProt ID:	O35142
Cytogenetics:	8q31
Gene Summary:	acts as a receptor for activated protein kinase C epsilon; may play a role in vesicle mediated transport [RGD, Feb 2006]