OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN200267

Akap12 (NM_001033653) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Akap12 (NM_001033653) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Akap12
Synonyms:	AKAP12A; AKAP12B; AKAP12G
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200267 representing NM_001033653 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTGGGGACCATTACCATCACAGTTGGACAGCGAGAGTCAGAAGATGTGAGAGAAAAAGACCGAGTTG AAGAAATGGCGGCCAACTCCACAGCTGTTGAAGATATCACAAAGGATGGGCAGGAGGAGACATCAGAAAT AATTGAACAGATCCCTGCTTCAGAAAGCAATGTGGAAGAAATGGTACAGCCTGCTGAGTCCCAGGCTAAT GATGTTGGCTTCAAGAAAGTATTTAAATTTGTTGGTTTTAAATTCACGGTGAAGAAGGATAAAAATGAAA AGTCAGATACTGTCCAACTACTCACTGTCAAGAAGGATGAAGGCGAAGGGGCAGAAGCCTCTGTCGGAGC TGGAGACCACCAGGAGCCCAGTGTGGAGACTGCCGTCGGAGAGTCAGCATCCAAAGAAAGTGAGCTGAAG CAATCCACAGAGAAGCAAGAAGGCACCCTGAAGCAAGAACAGAGCAGCACAGAAATCCCCCTTCAAGCCG AATCTGATCAAGCGGCTGAGGAAGAAGCCAAAGATGAAGGAGAAGAAAAACAAGAGAAAGAGCCCACCAA GTCCCCAGAATCCCCGAGCAGCCCAGTCAGCAGTGAGACAACATCTTCCTTCAAGAAGTTCTTCACTCAC GGTTGGGCCGGCTGGCGCAAGAAGACCAGCTTCAAGAAATCAAAAGAGGATGATCTGGAAACTGCCGAGA AGAGAAAGGAGCAAGAGGCAGAAAAAGTAGACGAGGAAGAAAAGGAAAAGACAGAGCCAGCCTCGGAGGA GCAGGAGCCGGCAGAAGACACAGACCAGGCCAGGTTGTCAGCAGACTACGAGAAGGTGGAGCTGCCTTTG GAAGACCAGGTTGGTGACCTGGAGGCATCGTCAGAGGAGAAGTGTGCTCCTTTGGCAACGGAAGTGTTTG ATGAGAAGATGGAAGCCCACCAAGAAGTTGTTGCAGAGGTCCACGTGAGCACCGTGGAGAAGACAGAGGA GGAGCAGGGAGGAGGAGGAGAGGCTGAAGGGGGCGTGGTGGTAGAAGGAACAGGAGAATCCTTGCCCCCT GAGAAACTGGCTGAGCCCCAGGAGGTCCCCCAGGAAGCTGAGCCTGCTGAGGAGCTGATGAAGAGCAGAG AGATGTGTGTCTCTGGAGGAGACCACACTCAACTGACAGACCTAAGTCCTGAAGAGAAGACGCTGCCCAA ACACCCAGAAGGCATTGTCAGTGAGGTGGAGATGCTGTCCTCTCAGGAAAGAATCAAGGTACAGGGAAGT CCCTTGAAGAAACTCTTCAGTAGCTCAGGCTTAAAGAAGCTGTCTGGGAAGAAGCAGAAGGGGAAACGAG GAGGTGGGGGAGACGAAGAGCCTGGAGAATACCAACACATTCACACCGAATCCCCAGAGAGTGCTGATGA GCAGAAGGGAGAGAGCTCTGCGTCGTCCCCCGAGGAGCCTGAGGAGACCACGTGTCTGGAGAAAGGGCCG CTGGAAGCACCCCAGGATGGGGAAGCTGAGGAAGGAACTACTTCCGATGGAGAGAAGAAGAGGGAAGGGA

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001033653
Insert Size:	4824 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_001033653.1, NP_001028825.1
RefSeq Size:	6026 bp
RefSeq ORF:	4824 bp
Locus ID:	83425
UniProt ID:	Q5QD51
Cytogenetics:	1q11
Gene Summary:	Anchoring protein that mediates the subcellular compartmentation of protein kinase A (PKA) and protein kinase C (PKC).[UniProtKB/Swiss-Prot Function]