

Product datasheet for MC214930

Akap7 (NM_018747) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Akap7 (NM_018747) Mouse Untagged Clone
Tag: Tag Free
Symbol: Akap7
Synonyms: 6430401D08; AI662165; AKAP15; Akap18; BB170514
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214930 representing NM_018747
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTTGCTGCTGTAGATATTCAAGATGACTGTGGAAGCCCTGATGTACCTCAAGCAAACCCAAAGA
 GAAGCAAAGAAGAAGAAGATAGAGGCGACAAGAATGATCATGTGAAGAAGAGGAAAAAGCCAAAA
 AGATTATCAGCCCACTATTTCCCTGTCCATTCCGATCACCAACAAAAGATTACAACCGGAATTAAGTC
 TTGCAAAATTCGATACTACAGCAGGATAAGCGACTGACCAAGCCATGGTGGGCGACGGCTCCTTTTCATA
 TTACCTTGCTAGTGATGCAGTTATTAACGAAGATGAAGTAAATATCGGTACCGATGCACCTTTTGAATT
 GAAGCCATTTCGTTGAGGAGATCCTTGAAGGAAACACTTGGCTTTGCCCTTCCAAGGGATTGGCACTTTC
 CAAGGTCAGGTTGGCTTTGTGAAGCTGGCAGATGGAGACCATGTTAGCGCACTCCTGGAGATAGCAGAGA
 CTGCGAAAAGAACATTTCCGGAAAAAGGCATCCTAGCTGGAGAAAGCAGAACTTTTAAGCCCCACCTGAC
 CTTTATGAAGCTGTCAAAGCACCGATGCTCAGGAAGAAGGGAGTGAGAAAAATCGAGCCTGGATTGTAT
 GAACAATTTATCGACCACAGATTTGGAGAAGAACTATTGTACCAGATAGATCTCTGCTCCATGCTGAAGA
 AAAAAAGAGCAATGGTTATTACCACTGTGAGTCTCCATCGTGATCGGTGAGAAGGACCGAAGGGAGCC
 TGAGGATGCTGAACTGGTCAGGCTCAGTAAGAGGCTGGTGGAGAACGCCGTGCTCAAGGCTGTCCAGCAG
 TACCTAGAAGAGACGCAGAAACAAAAGCAGCCAGGGGAGGGAACTCCACCAAAGCTGAGGAGGGAGATC
 GGAATGGTGATGGCAGTGATAACAACCGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_018747
Insert Size: 945 bp



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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_018747.4 , NP_061217.3
RefSeq Size:	3140 bp
RefSeq ORF:	945 bp
Locus ID:	432442
UniProt ID:	Q7TN79
Cytogenetics:	10 A4
Gene Summary:	Targets the cAMP-dependent protein kinase (PKA) to the plasma membrane, and permits functional coupling to the L-type calcium channel. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium (By similarity). [UniProtKB/Swiss-Prot Function]