

Product datasheet for **MC214480**

Akain1 (NM_001145192) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Akain1 (NM_001145192) Mouse Untagged Clone
Tag: Tag Free
Symbol: Akain1
Synonyms: A330050F15Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214480 representing NM_001145192
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTTGCTCCAGGTGAGAAGTCTGGGAAGGAGCTAGAGGAGGTGAAGCTGCAGAACACCAGCAAGC
AGATTGTCAGAATGCCATCCTGCAAGCCATGCGGCAAGTCTCCAGGAGAGCCTGCGGAGGGAAGGCAG
ACCCGGTGACAGCAGGGCTGGGGCCAGCTGGGAGGGTGCAGCTGACCAAGAAACATGAAAAGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001145192
Insert Size: 210 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).



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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_001145192.1](#), [NP_001138664.1](#)

RefSeq Size: 2296 bp

RefSeq ORF: 210 bp

Locus ID: 320722

UniProt ID: [G3UWD5](#)

Cytogenetics: 17 E1.3

Gene Summary: Protein kinase A (PKA)-binding protein. Binds to type II regulatory subunits of protein kinase A (PKA) and may block the A-kinase anchoring protein (AKAP)-mediated subcellular localization of PKA.[UniProtKB/Swiss-Prot Function]