

Product datasheet for **MC207566**

Anapc11 (NM_025389) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anapc11 (NM_025389) Mouse Untagged Clone
Tag: Tag Free
Symbol: Anapc11
Synonyms: 1110011I19Rik; R75218
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207566 representing NM_025389
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGTGAAAATTAATGTTGGAATGGTGTGGCCACTTGGCTCTGGGTAGCCAATGATGAGAACTGCG
GCATCTGCAGGATGGCGTTAATGGCTGCTGTCCAGACTGTAAGGTGCCTGGTGATGACTGCCCCCTCGT
GTGGGGACAGTGCTCCCACTGCTCCACATGCACTGCATCCTCAAGTGGCTGAATGCGCAGCAGGTGCAG
CAGCACTGCCCATGTGTCGCCAGGAGTGAAGTCAAAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_025389
Insert Size: 255 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_025389.4](#), [NP_079665.1](#)

RefSeq Size: 3229 bp

RefSeq ORF: 255 bp

Locus ID: 66156

UniProt ID: [Q9CPX9](#)

Cytogenetics: 11 E2

Gene Summary: Together with the cullin protein ANAPC2, constitutes the catalytic component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. May recruit the E2 ubiquitin-conjugating enzymes to the complex (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.