

Product datasheet for **MC203541**

Fam60a (NM_019643) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam60a (NM_019643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam60a
Synonyms:	Ppcs1; Pptcs1; Tera
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC076599
 CCGAATCTATACCTCCGTTCCGGTAGCAACTGAAGAAGTCTGGAGACAATCTTTCTGGACTCGGCGCT
 GGCGGAGGGAGTGCTTGCAGGAGGTTGGCTGGTGCAGTTTGACCGTGGGGACGCTGCTGCGCGTGGAA
 GCTTTGAACCAGAAAGAAAGATGTTTGGTTTTCAAGCCAAAGATGTACCGAAGTATAGAGGGCTGCTG
 TATATGCAGAGCCAAGTCTCCAGCTCCCGTTACGGACAGTAAACGTTACGAAAAGGACTTCCAGAGC
 TGTTTTGGGTTGCATGAGACTCGCTCAGGAGACATCTGTAATGCCTGTGTGCTGCTTGTGAAAAGATGGA
 AGAAGTTGCCCGCAGGATCAAAAAAAAAACTGGAATCACGTGGTAGATGCAAGAGCAGGCCCTAGCTAAA
 GACAACATTGAAACCAAGAAAAGTGAAGAACTCTATCTGGAACAGGATGAAAAGCAACCAGATCAGCAAA
 CTGCAGAAGGAATTTAAACGCCCAACTCTGATGCTCACAGTACCACCTCAAGTGCCTCTCCAGCCAGT
 CTCCATGCTACAGTAACCAGTCAGATGAGGGCTCAGATACAGAGATGGCTTCCAGCTCTAATAGAACTCC
 GGTTTTTTCTTCTTAGATCTTACCTACTGGAAAAGACAGAAAATATGTTGTGGGATCATCTATAAAGGC
 CGTTTTGGGGAAGTCTCATCGACTCATCTTCAAGCCTTGTGCAGCAGTAAGAAAGCAGCTGCCG
 AGAAGCCCAGGAGCAGGGCCGGCACCTTCCCCATCTCCACTCAGGAGTGGTACTGAGGTTCAATTA
 GAAGGGAGCAAAGAGCGTTTTAACTTTGAAAAGACCACAAAACAACTGACCCTCTATTTTTAACTTG
 GATACCTGCTATTCTGCCAAAAGACATTTCTAGAATAGTTTTTAAATGGGTTACTGCTTACCCTTCAT
 CCAACAACTCTGAAGCCAGTCTTAGCTTACTGCAAGAAAAAGAAAGTACACAATATTTAAGATGCTG
 AGTATTTTCATAGGAAAGCTGAATGCTGCTGTAAGTGCTCTTAAAGTCTTTTTTTTTTTTTTTTTTAA
 TCCCTCTAATGAATGGAATTAGGGGAATTTAGGGGACAGAGATGGGATTTGTTGTGTGATAAACCATA
 TGTAGTTTAGTCTTTCTGTGGAGAGGCAGTGGTTGGGCAATTTTAAATGGCTGGCTACACTTGTTTCC
 CTCATGATAATTTGTCATAACTCAGTAGCATGACCTGCCCTAGAAGGTAGTTAAATTTGTAATGCTA
 AGGCGTTGCCAGTCTAATGAGTCAGACCTGTACTACTGATTATTAAGCAGGACAGACTGAGCTTCTG
 CAAATAGCTTGAAGGAGGAAACAATTTCTGAACACACAAGTAGCACCGTGTGCCTCCCTTATCTTCAT
 ATTGATAAAAGACTTTATGTGGATCTTGTAAAACAGAACAGATCTCCTTCTGGGGAAGGCCTTGCCTCT
 AGGATGGGCAAGGTTGACTAGGGATAGTCCCAAAGCATGACCACAAAGTAGAGAGCAGCTGGTTAGAAAC
 CACTTCATCAGAATGTGTGAGTCTGGGGATGCATGGGGCACAGTTGATGCTGCTTGGGACAGTTTCTT
 AGAGGGCTTACAGTATGTAATAATTGACATTGGTGTTAACACGACTGTCGGGGATTCACTGAAATCCAC
 ATGATTAGTCTTAGCTCTGGATTACCTCAGTTGACCTTTGTGGAGGTTTTATCTATAGAGTAGTCTTG
 CCTTGTATAGACCTTATTAGGGTTTGGGGTTTTGTTCTTTCGTTGTTTTCTCTCACTATTTAAAGTTG
 ACTAGAAGAGAAGAGTTGTGTGTGAGGCTAAGTTGGTGGGTTGGGTTGGCTTCTAACATCAAGAACT
 GAATGGAGCTCCACACCTCTAGATCTCAATGATTCGGTTGGCTTCTCAGTGAACCCAAGTGAAGTTGTC
 TAATTGCCTCTTCTCAGAGTTCAGGAAAACAGTAGTCCACTTGAGACCTCGTAGAGGAGGTATACGTG
 GCTGCCTTAGTATTCTGTTCCCTCATGATTATTTAGAACTGGATTTTAAAAAGTCTTTTAGAGTTTAC
 AACAGGAGAAGCCACAGTTTGTGGCATCTATAGTTTTACATTGTGATTTCTCTTTTGGAAAAAC
 CTACCTAGTACAAGCTACCACGTGCACAGACAGCCCAATGAGTGGGCCATTTCTCCACAACCTGGTGT
 ATACAGAGTCCAGCCATTACATTCTCCTGCGTACTTTGACATGGGATTTTTTTTTTTTTTTTGTACAT
 TTTGGTGCAGTATTGGTGGTAGAATACTTTGATGGATCATCTCTACTTCTGTATTTATTTATTTATT
 ACTAGACCTCAACCACAGCCTTCTCCCCCTCCACTCTCTGCCTGTAGGATGTACTGTATGTAGTCATGCA
 CTTTGTATTAATATATTAGAAATCTACAGATCTGTTTTGACTTTTTATACTGTTGGATACTTATAATCA
 AAACCTTACTCTAGGGTATTGAATAAATTTAGTCTTATTAGAAAAATAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_019643
- Insert Size:** 666 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: [BC076599](#), [AAH76599](#)

RefSeq Size: 2656 bp

RefSeq ORF: 666 bp

Locus ID: 56306

UniProt ID: [Q8C8M1](#)

Cytogenetics: 6 G3

Gene Summary: Subunit of the Sin3 deacetylase complex (Sin3/HDAC), this subunit is important for the repression of genes encoding components of the TGF-beta signaling pathway (By similarity). Core component of a SIN3A complex (composed of at least SINHCAF, SIN3A, HDAC1, SAP30, RBBP4, OGT and TET1) present in embryonic stem (ES) cells. Promotes the stability of SIN3A and its presence on chromatin and is essential for maintaining the potential of ES cells to proliferate rapidly, while ensuring a short G1-phase of the cell cycle, thereby preventing premature lineage priming (PubMed:28554894).[UniProtKB/Swiss-Prot Function]