

Product datasheet for **MC216180**

Gopc (NM_053187) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gopc (NM_053187) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gopc
Synonyms:	2210402P09Rik; AI844555; CAL; FIG; GOPC1; PIST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216180 representing NM_053187
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGCGGGTGGCCATGCCCGCGGGAGCCGCGCGGCCAGGGGGCTCCTCTGCCCTGTGGGG
 TCTCCCTGGCGGGTGTCCATGTTCCGATGGCTTGAGGTGCTGGAGAAGGAGTTCGACAAGGCCTTCGT
 GGATGTGGATCTGCTTTGGGCGAGATCGATCCGACCAGGCGGACATCACTTATGAGGGCGTCAGAAG
 ATGACCAGCCTTAGCTCCTGCTTTCGCGAGCTATGCCACAAAGCCAGACTGTGTCCAGATCAACCACA
 AGCTTGAGGCACAGTTGGTGGATCTGCGATCGGAATTGACAGAGACTCAAGCAGAGAAAAGTTGTTCTGGA
 GAAAGAAGTCCACGAGCAGCTTTTACAGCTGCACTCCACTCAGCTTCAGCTTCATGCCAAGACTGGTCAA
 AGTGTGACTCTGGGCCATCAAGGCAAATTTGAAAGAGAAGCTGAAGCAAATAAACAGAAAAGGTAA
 AAGAAGCTCGACTGAAGCTGAAGTGAAGCTACTAAGGAAGGAGAACGAGGCTCTTGAAGGCACATAGC
 TGTTCTCCAGGCTGAAGTTTATGGGCGAGGTTGGCTGCCAAGTACTTGGATAAGGAGCTGGCCGCGAGG
 GTGCAACAGATACAATTACTGGGACGGGATATGAAGGGACCTGCTCACGATAAGCTCTGGAACCAAGTTAG
 AAGCTGAAATACATTTGCATCGCCACAAAAGTGTATCAGAGCCTGCAGAGGGCGCAACGACTTGAAGCG
 GCCCATGCAAGCACCCCGAGCCACGATCAAGACTCTTTGAAGAAAAGCCAGGGAGTCCGTTCCAATTAGA
 AAAGTTCTCCTCTTAAGGAAGACCATGAAGGCCTGGGCATTTCTATCACAGGTGGGAAAGAGCACGGTG
 TTCCCATCCTCATCTCTGAGATCCACCCGGGACAGCCTGCGGATAGATGTGGAGGGCTGCATGTTGGAGA
 TGCTATTCTGGCAGTCAATGGAGTCAACCTAAGAGACACAAAGCATAAAGAAGCTGTAACATACTCTCC
 CAGCAGAGAGGAGAGATTGAGTTTGAAGTAGTCTACGTGGCACCTGAAGTGGATTCTGACGATGAAAATG
 TAGAGTATGAAGACGAGAGTGGACACCGCTATCGTCTGTATCTTGACGAGTTAGAAGGCAGTGGGAATTC
 TGGTGCTAGTTGCAAAGACAGCAGTGGCGAGATGAAAATGTTACAAGGGTATAACAAGAAGGCAGTGAGG
 GATGCGCATGAGAATGGGACGTGGGGCTGCAGGTGAGAGCCCTCTGGATGACACTGCTGCGAGAGCGG
 CTCATCTGCACAGCCTGCATCAGAAGAAGGCTACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053187
- Insert Size:** 1368 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_053187.3](#), [NP_444417.2](#)

RefSeq Size: 4295 bp

RefSeq ORF: 1368 bp

Locus ID: 94221

UniProt ID: [Q8BH60](#)

Cytogenetics: 10 B3

Gene Summary: Plays a role in intracellular protein trafficking and degradation. May regulate CFTR chloride currents and acid-induced ASIC3 currents by modulating cell surface expression of both channels. May also regulate the intracellular trafficking of the ADR1B receptor. May play a role in autophagy. Overexpression results in CFTR intracellular retention and degradation in the lysosomes.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate, in-frame, exon, compared to variant 1. The resulting protein (isoform b) is shorter when it is compared to isoform a.