

## Product datasheet for **MC227826**

### Gopc (NM\_001199272) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gopc (NM_001199272) 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:** >MC227826 representing NM\_001199272  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGCGGGTGGCCATGCCCGCGGGAGCCGGCGCGGCCAGGGGGCTCCTCTGCCCTGTGGGG  
 TCTCCCCTGGCGGGTGTCCATGTTCCGATGGCTTGAGGTGCTGGAGAAGGAGTTCGACAAGGCCTTCGT  
 GGATGTGGATCTGCTTTGGGCGAGATCGATCCGACCAGGCGGACATCACTTATGAGGGCGCTCAGAAG  
 ATGACCAGCCTTAGTCTCTGCTTTGCGCAGCTATGCCACAAAGCCAGACTGTGTCCAGATCAACCACA  
 AGCTTGAGGCACAGTTGGTGGATCTGCGATCGGAATTGACAGAGACTCAAGCAGAGAAAGTTGTTCTGGA  
 GAAAGAAGTCCACGAGCAGCTTTTACAGCTGCACTCCACTCAGCTTCAGCTTCATGCCAAGACTGGTCAA  
 AGTGTGACTCTGGGCCATCAAGGCAAATTGTCTGTCCACTCTGTGGAGGATCTGAAAGAGAAGCTTG  
 AAGCAAATAAAACAGAAAAGGTAAGAAGCTCGACTTGAAGCTGAAGTGAAGCTACTAAGGAAGGAGAA  
 CGAGGCTCTTGAAGGCACATAGCTGTTCTCCAGGCTGAAGTTTATGGGGCGAGGTTGGCTGCCAAGTAC  
 TTGGATAAGGAGCTGGCCGGCAGGGTGCAACAGATACAATTACTGGGACGGGATATGAAGGGACCTGCTC  
 ACGATAAGCTCTGGAACAGTTAGAAGCTGAAATACATTTGCATCGCCACAAAAGTGCATCAGAGCCTG  
 CAGAGGGCGCAACGACTTGAAGCGGCCATGCAAGCACCCAGGCCACGATCAAGACTCTTTGAAGAAA  
 AGCCAGGGAGTCGGTCCAATTAGAAAAGTTCTCCTCCTAAGGAAGACCTGAAGGCCTGGGCATTTCTA  
 TCACAGGTGGGAAAGAGCACGGTGTCCCATCCTCATCTGAGATCCACCCGGGACAGCCTGCGGATAG  
 ATGTGGAGGGTGCATGTTGGAGATGCTATTCTGGCAGTCAATGGAGTCAACCTAAGAGACACAAAGCAT  
 AAAGAAGCTGTAATACTCTCCAGCAGAGAGGAGAGATTGAGTTTGAAGTAGTCTACGTGGCACCTG  
 AAGTGGATTCTGACGATGAAAATGTAGAGTATGAAGACGAGAGTGGACACCGCTATCGTGTATCTTGA  
 CGAGTTAGAAGGCAGTGGGAATTCGGTCTAGTTGCAAAGACAGCAGTGGCGAGATGAAAATGTTACAA  
 GGGTATAACAAGAAGGCAGTGAAGGATGCGCATGAGAATGGGGACGTGGGGGCTGCAGGTGAGAGCCCTC  
 TGGATGACACTGCTGCGAGAGCGGCTCATCTGCACAGCCTGCATCAGAAGAAGGCCTACT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001199272
- Insert Size:** 1392 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001199272.1](#), [NP\\_001186201.1](#)

**RefSeq Size:** 4319 bp

**RefSeq ORF:** 1392 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 (1) is the longer transcript and it encodes the longer protein (isoform a).