

Product datasheet for **RG216529**

PIST (GOPC) (NM_020399) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PIST
Synonyms:	CAL; dJ94G16.2; FIG; GOPC1; PIST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216529 representing NM_020399
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCGGCGGGCGGTCCATGCCAGCAGCAGCCGAGGGGGCCAGGGGGCGCCTCCTGCTCCGTGGGG
 CCCCTGGCGGGGTATCCATGTTCCGGTGGCTGGAGGTGCTGGAGAAGGAGTTCGACAAAGCTTTTGTGGA
 TGTGGATCTGCTCCTGGGAGAGATCGATCCAGACCAAGCGGACATCACTTATGAGGGGCGACAGAAGATG
 ACCAGCCTGAGCTCCTGCTTTGCACAGCTTTGCCACAAAGCCAGTCTGTGTCTCAAAATCAACCACAAGC
 TGGAGGCACAGTTGGTGGATCTGAAATCTGAAGTGACAGAAACCAAGCAGAGAAAGTTGTTTTGGAGAA
 AGAAGTACATGATCAGCTTTTACAGCTGCACTCTATTAGCTGCAGCTTCATGCTAAACTGGTCAAAGT
 GCTGACTCTGGTACCATTAAAGGCAAAATTGTCTGGCCCTCTGTGGAGGAGCTGGAAGAGAGCTTGAGG
 CAAACAAAAAGAAAAATGAAAGAAGCACAACTTGAAGCTGAAGTGAATTTGTTGAGAAAAGAGAATGA
 AGCCCTTCGTAGACATATAGCTGTTCTCCAGGCTGAAGTATATGGGCGGAGACTAGCTGCCAAGTACTTG
 GATAAGGAACTGGCAGGAAGGGTCCAACAGATACAATTGCTAGGACGAGATATGAAGGGACCTGCTCATG
 ATAAGCTTTGGAACCAATTAGAAGCTGAAATACATTTGCATCGTCACAAAACCTGTGATCCGAGCCTGCAG
 AGGACGTAAAGACTTGAACGACCAATGCAAGCACCACCAGGCCATGATCAAGATTCCTAAAGAAAAGC
 CAAGGTGTTGGTCCAATTAGAAAAGTTCTCCTCCTTAAGGAAGATCATGAAGGCCTTGGCATTTCATTA
 CAGGTGGGAAAGAACATGGTGTTCGAATCCTCATCTCTGAGATCCATCCGGGGCAACCTGCTGATAGATG
 CGGAGGGCTGCACGTTGGGGATGCTATTTTGGCAGTCAACGGAGTTAACCTAAGGGACACAAAGCATAAA
 GAAGCTGTAAGTATTCTTTCTCAGCAGAGAGGAGAGATTGAATTTGAAGTAGTTTATGTGGCTCCTGAAG
 TGGATTCTGATGATGAAAACGTAGAGTATGAAGATGAGAGTGGACATCGTTACCGTTTGTACCTTGATGA
 GTTAGAAGGAGGTGGTAACCTGGTGTAGTTGCAAAGACACAAGTGGGGAAATCAAAGTATTACAAGGA
 TTTAATAAGAAGGCAGTAAGTACACACATGAAAATGGAGACCTGGGCACTGCAAGTGAAACTCCGCTAG
 ATGACGGTGTCTCAAAATTAGATGATCTGCACACTCTGTATCATAAAAAATCTTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216529 representing NM_020399
 Red=Cloning site Green=Tags(s)

MSAGGPCPAAAGGGPGGASCSVGAPGGVSMFRWLEVLEKEFDKAFVDVLLLLGEIDPDQADITYEGRQKM
 TSLSSCFAQLCHKAQSVSQINHKLEAQLVDLKSEL TETQAEKVLEKEVHDQLQLHSIQLQLHAKTGQS
 ADSGTIKAKLSGSPVEELERELEANKKEKMKEAQLAEVKLLRKENEALRRHIAVLQAEVYGARLAAYL
 DKELAGRVQQLQLGRDMKGP AHDKLWNQLEAEIHLHRHKTIVIRACRGRNDLKRPMQAPPGHDQDSLKKS
 QGVGPPIRKVLLLLKEDHEGLGISITGGKEHGVPIILISEIHPGQPADRCGGLHVGDAILAVNGVNLRTKHK
 EAVTILSQQRGEIEFEVYVVAPEVSDDENVEYEDES GHRYRLYLDELEGGNPGASCKDTSGEIKVLQG
 FNKKAVTDTHENGDLGTASETPLDDGASKLDDLHTLYHKKS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_020399

ORF Size: 1386 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

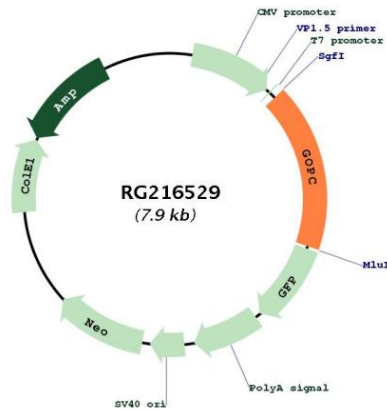
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020399.4](#)

RefSeq Size:	4604 bp
RefSeq ORF:	1389 bp
Locus ID:	57120
UniProt ID:	Q9HD26
Cytogenetics:	6q22.1
Domains:	PDZ

Gene Summary: This gene encodes a Golgi protein with a PDZ domain. The PDZ domain is globular and proteins which contain them bind other proteins through short motifs near the C-termini. Mice which are deficient in the orthologous protein have globozoospermia and are infertile. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RG216529