

## Product datasheet for **SC127460**

### PIST (GOPC) (NM\_020399) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIST (GOPC) (NM_020399) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOPC
Synonyms:	CAL; dj94G16.2; FIG; GOPC1; PIST
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020399, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGCGGGCGGTCCATGCCAGCAGCAGCCGGAGGGGGCCAGGGGGCGCCTCTGCTCCGTGGGGG
CCCCTGGCGGGGTATCCATGTTCCGGTGGCTGGAGGTGCTGGAGAAGGAGTTCGACAAAGCTTTTGTGGA
TGTGGATCTGCTCCTGGGAGAGATCGATCCAGACCAAGCGGACATCACTTATGAGGGGCGACAGAAGATG
ACCAGCCTGAGCTCCTGCTTTGCACAGCTTTGCCACAAAGCCCAGTCTGTGTCTCAAATCAACCACAAGC
TGGAGGCACAGTTGGTGGATCTGAAATCTGAAGTACAGAAACCAAGCAGAGAAAGTTGTTTTGGAGAA
AGAAGTACATGATCAGCTTTTACAGCTGCACTCTATTCAGCTGCAGCTTCATGCTAAAAGTGTCAAAGT
GCTGACTCTGGTACCATTAAGGCAAAATTTGCTGGCCCTCTGTGGAGGAGCTGGAAAGAGAGCTTGAGG
CAAAACAAAAAGAAAAATGAAAGAAGCACAACCTTGAAGCTGAAGTGAATTTGTTGAGAAAAGAGAATGA
AGCCCTTCGTAGACATATAGCTGTTCTCCAGGCTGAAGTATATGGGGCGAGACTAGCTGCCAAGTACTTG
GATAAGGAAGTGGCAGGAAGGGTCCAACAGATACAATTGCTAGGACGAGATATGAAGGGACCTGCTCATG
ATAAGCTTTGGAACCAATTAGAAGCTGAAATACATTTGCATCGTCACAAAAGTGTATCCGAGCCTGCAG
AGGACGTAATGACTTGAAACGACCAATGCAAGCACCACCAGGCCATGATCAAGATTCCTTAAGAAAGC
CAAGGTGTTGGTCCAATTAGAAAAGTTCTCCTCCTTAAGGAAGATCATGAAGGCCATTGGCATTTCGAATTA
CAGGTGGGAAAGAACATGGTGTTCATCCTCATCTGAGATCCATCCGGGGCAACCTGCTGATAGATG
CGGAGGGCTGCACGTTGGGGATGCTATTTTGGCAGTCAACGGAGTTAACCTAAGGGACACAAAGCATAAAA
GAAGCTGTAACCTATTCTTTCTCAGCAGAGAGGAGAGATTGAATTTGAAGTAGTTTATGTGGCTCCTGAAG
TGGATTCTGATGATGAAAACGTAGAGTATGAAGATGAGAGTGGACATCGTTACCGTTTGTACCTTGATGA
GTTAGAAGGAGGTGTTAACCTGGTGTAGTTGCAAAGACACAAGTGGGGAAATCAAAGTATTACAAGGA
TTTAATAAGAAGGCAGTAACTGACACACATGAAAATGGAGACCTGGGCACTGCAAGTGAAGTCCGCTAG
ATGACGGTGCTTCAAATTAGATGATCTGCACACTCTGTATCATAAAAAATCTTATTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_020399 unedited</p> <pre> CGCGAATTCGGCACGAGCAGCCTCGTTACTCTGCGGTTCTGTGGCTGTGCTGCTGGCGT TAACGGCGCGAGGTGAAGGGAGGTGACGGAGTGTGCCCGCGCGCGGGGGTCCCCTCAG TCCCAGCAGTTCCTTCGTGCGCGGGGGCGGGCAGGGTCTTCAGCAGTCGGGAGAGGCC CTTGACGGCGCCATGTTTGGCGGGCGTCCATGCCAGCAGCAGCCGGAGGGGGCCAGGG GGCGCCTCCTGCTCCGTGGGGCCCTGGCGGGTATCCATGTTCCGGTGGCTGGAGGTG CTGGAGAAGGAGTTCGACAAAGCTTTTGTGGATGTGGATCTGCTCCTGGGAGAGATCGAT CCAGACCAAGCGACATCACTTATGAGGGGCGACAGAAGATGACCAGCCTGAGCTCCTGC TTTGACACAGCTTTGCCACAAAGCCAGTCTGTGTCTCAAATCAACCACAAGCTGGAGGCA CAGTTGGTGGATCTGAAATCTGAACTGACAGAAACCAAGCAGAGAAAGTTGTTTTGGAG AAAGAAGTACATGATCAGCTTTTACAGCTGCACTCTATTCAGCTGCAGCTTCATGCTAAA ACTGGTCAAAGTCTGACTCTGGTACCATTAAGGCAAAATGTCTGGCCCTCTGTGGAG GAGCTGAAAGAGAGCTTGGGGCAACAAANAGAAAAATGAAAGAAGCACAACTTGAG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_020399 unedited</p> <pre> TGTACCGCGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTAAACGTCAAGGAAACAA AATGTTTTATTTAAAAAATGATATCAATATCATTTTAAATGTAGAAGATGCCATCTTTATT TACAGGTAATAAAAAAATATTAACACTCACTAGATATAATACATTATCATAAATGCAAT AGATTTGAGGCCAACCATAAAGTGAAGACTGGATAGATGGAATAGGGATTACATAATCAG GATGTCAAATACTGTGCATCTTACACATGAATCACATGAAACCTTTTTGTTTCTAAACAT GAAAACAGCATAAGTCCACTGCAGTGGGGAAAAAACAGCACCACAGACAAGCTGTGCTA ACTTTGATAGCTGTTGACTTGAATTATCAAGACTCACAAAATTTTCGTCTTTCTCAA TTTTTTTAAACAATAGTCTCACCACAAAATGTTGCTTTTCCATCATATTCATAACAGAG ATACTGTAGAAGAGAATTTAGAGGTTAAGTGAATATATACACGCACACATAACAACC TCACATCTTTATTAACGTTTTCTCAACCATTCTGTTTGAGTATACATGTGTGATTTTC TCCTTCTGTCCTTCTCGATGAAATGGCTTTGCAACAGTCCCTCCTTACTTGTGTTGGT TTTGCCCTAAAAGTTCAAGGACATATGAATTTCTTCTATAAAAAGCGAAAAATATTA ACGGGTTCTCAGTCTTTAGGACCTATAACCTAATTCTAGGTCATCCCCAAAAACATACA TTCTAAAATGAACTTTAAACTAGTTACTTTCTAACACCCGGACAGGAACCTCACAGTAG CATTTGAGCAACGGTGTCTCCCGTAGGCTTTATAACCACAGTGGAAACCGGAATTGAATA AGGAACCTGCCCGGGGGAGTTTAAACCTACCCGGNAACCTTTTCATTTCTAATTATATC AGCCTTAAAGGAATATTATATCATGTACAATCTCAAACAATTTTAAATTAACCAAGG G </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_020399
<b>Insert Size:</b>	4420 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_020399.2](#), [NP\\_065132.1](#)

**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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). 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.