

Product datasheet for **SC322350**

PIST (GOPC) (NM_001017408) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIST (GOPC) (NM_001017408) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIST
Synonyms:	CAL; dj94G16.2; FIG; GOPC1; PIST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322350
 TGCCGCCTCAGCTTCAGCCTCGTTACTCCTGCGGTTCTGTGACTGTGCTGCTGGCGTTAA
 CGGCGCGAGGTGAAGGGAGGTGACGGAGTGTGCCCGCGCGCGGGGGTCCCCTCAGTCC
 CAGCAGTTCCTTCGTGCGCGGGGGCGGCGAGGGTCTTCAGCAGTGGGAGAGGCCCTT
 GACGGCGCCATGTGCGCGGGCGGTCCATGCCAGCAGCAGCCGGAGGGGGCCAGGGGGC
 GCCTCCTGCTCCGTGGGGCCCCTGCGGGGTATCCATGTTCCGGTGGCTGGAGGTGCTG
 GAGAAGGAGTTCGACAAAAGCTTTTGTGGATGTGGATCTGCTCCTGGGAGAGATCGATCCA
 GACCAAGCGGACATCACTTATGAGGGGCGACAGAAGATGACCAGCCTGAGCTCCTGCTTT
 GCACAGCTTTGCCACAAAAGCCAGTCTGTGTCTCAAATCAACCACAAGCTGGAGGCACAG
 TTGGTGGATCTGAAATCTGAACTGACAGAAACCAAGCAGAGAAAAGTTGTTTTGGAGAAA
 GAAGTACATGATCAGCTTTTACAGCTGCACTCTATTACAGCTGCAGCTTCATGCTAAAAC
 GGTCAAAGTGCTGACTCTGGTACCATTAAAGCAAAATTGGAAAGAGAGCTTGAGGCAAAC
 AAAAAAGAAAAATGAAAGAAGCACAACCTGAAGCTGAAGTAAATTTGTTGAGAAAAGAG
 AATGAAGCCCTTCGTAGACATATAGCTGTTCTCCAGGCTGAAGTATATGGGGCGAGACTA
 GCTGCCAAGTACTTGGATAAGGAACTGGCAGGAAGGGTCCAACAGATACAATTGCTAGGA
 CGAGATATGAAGGGACCTGCTCATGATAAGCTTTGGAACCAATTAGAAGCTGAAATACAT
 TTGCATCGTCACAAAAGTGTGATCCGAGCCTGCAGAGGACGTAATGACTTGAAACGACCA
 ATGCAAGCACCACCAGGCCATGATCAAGATTCCTAAAGAAAAGCCAAGGTGTTGGTCCA
 ATTAGAAAAGTTCTCCTCCTTAAGGAAGATCATGAAGGCCTTGGCATTTCATTACAGGT
 GGGAAAGAACATGGTGTTCCAATCCTCATCTCTGAGATCCATCCGGGGCAACCTGCTGAT
 AGATGCGGAGGGCTGCACGTTGGGGATGCTATTTTGGCAGTCAACGGAGTTAACCTAAGG
 GACACAAAGCATAAAGAAGCTGTAACCTATTCTTCTCAGCAGAGAGGAGAGATTGAATTT
 GAAGTAGTTTATGTGGCTCCTGAAGTGGATTCTGATGATGAAAACGTAGAGTATGAAGAT
 GAGAGTGGACATCGTTACCGTTTGTACCTTGTGATGAGTTAGAAGGAGGTGTAACCTGGT
 GCTAGTTGCAAAGACACAAGTGGGGAAATCAAAGTATTACAAGGATTTAATAAGAAGGCA
 GTAACCTGACACACATGAAAATGGAGACCTGGGCACTGCAAGTAAAACCTCCGCTAGATGAC
 GGTGCTTCAAATTAGATGATCTGCACACTCTGTATCATAAAAAATCTTATTAATGAC
 CATATCTCCAGACAAGATTGTTAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001017408

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001017408.1](#), [NP_001017408.1](#)

RefSeq Size: 4580 bp

RefSeq ORF: 1365 bp

Locus ID: 57120

UniProt ID: [Q9HD26](#)

Cytogenetics: 6q22.1

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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to 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.