

Product datasheet for **SC125664**

SPINK1 (NM_003122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPINK1 (NM_003122) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPINK1
Synonyms:	PCTT; PSTI; Spink3; TATI; TCP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003122 edited CGCAGAACTTCAGCCATGAAGGTAACAGGCATCTTTCTTCTCAGTGCCTTGGCCCTGTTG AGTCTATCTGGTAACACTGGAGCTGACTCCCTGGGAAGAGAGGCCAAATGTTACAATGAA CTTAATGGATGCACCAAGATATATGACCCTGTCTGTGGGACTGATGGAATACTTATCCC AATGAATGCGTGTATGTTTTGAAAATCGGAAACGCCAGACTTCTATCCTCATTCAAAAA TCTGGCCTTGCTGAGAACCAAGTTTTGAAATCCCATCAGGTCACCGCAGGCCTGACT GGCCTTATTGTTGAATAAATGTATCTGAATATCAAAAAAAAAAAAAAAAAAAAAAAAAAA AA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003122 unedited TCTGATTTGTATACGACTCACTATAGGCGCCGGTATTTCAGATCTGGTACCGGCTCCGT AATTCCCAGGATCGCAGAACTTCAGCCATGAAGGTAACAGGCATCTTTCTTCTCAGTGC TTGGCCCTGTTGAGTCTATCTGGTAACACTGGAGCTGACTCCCTGGGAAGAGAGGCCAAA TGTTACAATGAACCTAATGGATGCACCAAGATATATGACCCTGTCTGTGGGACTGATGGA AATACTTATCCCAATGAATGCGTGTATGTTTTGAAAATCGGAAACGCCAGACTTCTATC CTCATTCAAAAACTGGCCTTGCTGAGAACCAAGTTTTGAAATCCCATCAGGTCACCG CGAGGCCTGACTGGCCTTATTGTTGAATAAATGTATCTGAATATCNNAAAAAAAAAAAA AAAAAAAAAAAAAAAAAGGGCGCCGGTCAATAGCTGTTTCCCTGAACAGATCCCGGTGGCAT CCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACC AGCCTTGCTCAATAAAATTAATTCATCATTGTTGCTGACTAGGTGTCCTTCTATATA TTATGGGGTGGAGGGGGTGGTATTGAGCAAGGGGCAAGTTGGGAAAACAACCTGTAG GCCTGGGGGTCTATTGGGACCAAGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCAA TCCTCCCCTCTGGGGTCAAGCATTTTCTGGCCTAACCTCCCGAGTTGTTGGGATTCCC AGCCTGCATGACCAGGCTAAATATATTTGTTTTTTGAAAAACGGGGTCCCTTTTG CCAGGGGGGTCCAACCTAAACCGGGAGTCACCCCTTGGCCCCAATTGGGGGTAAC AGGGGAACAAGGCCTCCGGGCTCTTATAAAA
Restriction Sites:	NotI-NotI



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ACCN:	NM_003122
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_003122.2 , NP_003113.2
RefSeq Size:	438 bp
RefSeq ORF:	240 bp
Locus ID:	6690
UniProt ID:	P00995
Cytogenetics:	5q32
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>The protein encoded by this gene is a trypsin inhibitor, which is secreted from pancreatic acinar cells into pancreatic juice. It is thought to function in the prevention of trypsin-catalyzed premature activation of zymogens within the pancreas and the pancreatic duct. Mutations in this gene are associated with hereditary pancreatitis and tropical calcific pancreatitis. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>