

## **Product datasheet for RG206574**

## SPINK1 (NM 003122) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** SPINK1 (NM\_003122) Human Tagged ORF Clone

Tag: TurboGFP Symbol: SPINK1

Synonyms: PCTT; PSTI; Spink3; TATI; TCP

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

**E. coli Selection:** Ampicillin (100 ug/mL)

ORF Nucleotide >RG206574 representing NM\_003122

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATCCTCATTCAAAAATCTGGGCCTTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG206574 representing NM\_003122

Red=Cloning site Green=Tags(s)

MKVTGIFLLSALALLSLSGNTGADSLGREAKCYNELNGCTKIYDPVCGTDGNTYPNECVLCFENRKRQTS

ILIQKSGPC

TRTRPLE - GFP Tag - V

Chromatograms: <a href="https://cdn.origene.com/chromatograms/ja2718">https://cdn.origene.com/chromatograms/ja2718</a> f11.zip

**Restriction Sites:** Sgfl-Mlul



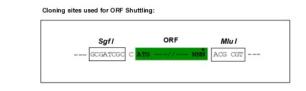
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

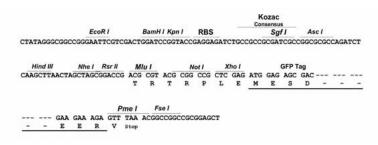
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



**Cloning Scheme:** 





**ACCN:** NM\_003122

ORF Size: 237 bp

OTI Disclaimer: 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 <a href="mailto:customercom">customercom</a> care team at <a href="mailto:customercom">customercom</a> or by

calling 301.340.3188 option 3 for pricing and delivery.

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.

**RefSeq:** <u>NM 003122.5</u>

 RefSeq Size:
 438 bp

 RefSeq ORF:
 240 bp

 Locus ID:
 6690

 UniProt ID:
 P00995

 Cytogenetics:
 5q32

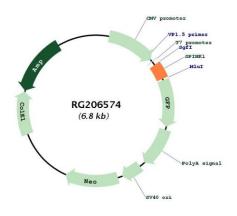
**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** 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 trypsincatalyzed 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]

## **Product images:**



Circular map for RG206574