

Product datasheet for **SC112418**

PSF3 (GINS3) (NM_022770) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSF3 (GINS3) (NM_022770) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSF3
Synonyms:	PSF3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112418 sequence for NM_022770 edited (data generated by NextGen Sequencing) ATGTCAGAGGCTTATTTCCGAGTGGAGTCGGGTGCGCTGGGGCCTGAGGAGAAGTTTCTT TCTTTGGACGACATCCTGATGTCCACGAGAAGCTGCCGGTGCGCACGGAGACCGCCATG CCTCGCCTTGGCGCTTTCTTCTGGAGCGGAGCGCAGGCGCCGAGACTGACAACGCGGT CCACAGGGTTCCAAGCTTGAACCTTGTGGCTGGCAAAGGACTTTTTGACAACAAG CGACGGATCCTTTCTGTGGAACCTCCCAAGATCTACCAAGAGGGTTGGAGGACTGTGTT AGTGCAGATCCCAATGTGGTGGACCTCCACAAAATGGGGCCCATTTCTACGGTTTGGC TCCCAGCTCCTGCATTTTGACAGTCCCAGAGAATGCAGACATTTCCAGTCTCTGCTGCAG ACTTTTATCGGACGTTTTCGCCGCATCATGGACTCCTCACAGAATGCTTACAACGAAGAC ACTTCAGCCCTGGTAGCCAGGCTAGACGAGATGGAGAGGGGCTTATTTCAAACAGGGCAG AAAGGACTGAATGACTTTCAAGTGTGGGAGAAGGGGCAGGCTTCTCAGATCACAGCTTCC AACCTCGTTCAGAATTACAAGAAGAGAAAATTTCACTGATATGGAAGACTGA

Clone variation with respect to NM_022770.3



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022770 unedited</p> <pre> AGCATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCACTTTCCT GACCCCAACCATCCTGCCAGTCTCCGCTTCCCGTCTTGTACACCCCTAACTCCTGAGG CTCCTCCGAATCACGCGAGTGGAAAGCGGAGAAGCTCAAGTGGCCGCCATGTCAGAGGCTT ATTTCCGAGTGGAGTCCGGTGCCTGGGGCCTGAGGAGAACTTTCTTTCTTTGGACGACA TCCTGATGTCCCACGAGAAGCTGCCGGTCCGACGAGACCGCCATGCCTCGCCTGGCG CTTTCTTCCCTGGAGCGGAGCGCAGGCGCCGAGACTGACAACGCGTCCCACAGGGTTCCA AGCTTGAACCTACCTTGTGGCTGGCAAAAGGACTTTTTGACAACAAGCGACGGATCCTTT CTGTGGAACCTCCCAAGATCTACCAAGAGGGTTGGAGGACTGTGTTCAAGTGCAGATCCCA ATGTGGTGGACCTCCACAAAATGGGGCCCCATTCTACGGGTTTGGCTCCCAGCTCCTGC ATTTTGACAGTCCCGAGAATGCAGACATTTCCAGTCTCTGCTGCAGACTTTTATCGGAC GTTTTCCGCCATCATGGACTCCTCACAGAATGCTTACAACGAAGACACTTCAGCCCTGG TAGCCAGGCTAGACGAGATGGAGAGGGGCTTATTTCAACAGGGCAGAAAGGACTGAATGA CTTTCAGTGTGGGAGAAGNGCAGGCTTCTCAGATCACAGCTTCCAACCTCGTTCAGAA TTACCAGAAAGAGAAAATCACTGATATGGGAAGAACTGAAGCCGAAAGACACAGATGG CTNCTCACAGACGTATCCCTCCGTGTGTCTTGATAGNAGCTGGTTGACCCTGTACAGAC CAGNATNCTGTCCATTATGGCTATATCCTGTGCCATAGAGATATAGGAACTGACTGCT NGAGAT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022770 unedited</p> <pre> GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATGTACAAAGCCAATCATTTATT TAGCACTAAAATCAAATTATAAAAAACAACAATTCCATCTTAAACAGGCATTTTAAAAGC ATTTCTGTGGTTCTAAGTTTGCATCAAGACAGCCTAAGTTTGCATCTGCACAATCTGGAT ACCCAAATCCCTCTATAATTTCCAAAGACAAGACAATTTTGTAGTTGTGAGGTGTCA GGGGGAAGCAGTGATGCCTGCAAAACAGTCTAATGGGCCAGGGAAACCTGTTTTCTTCT CAACCTGAGGTTGCATCCTTGATCTCCAGGAAAAGAGATTAGTGCTTGTAAACCAGTT CCTAGTAAATGGTCAGGGATCTTCTATGCAATAATGTTGCAAAAGTTACTGAAGAGGAAA AAAAAAGCACAACGGAGGCTTCTTGCCATTTACACTTGCATGTTAGATTTTGAACA GGGCCCTTCATAGTCAGCACCAAGTCTGACTTCCAGATGTAATGCAGGCTGGTTAACA GCCCTTAATAACTACATTGCAATTCCAACGACTCCCTGACAGCTTTTCTAGACAGGAG TAGAATTAAGTGTGCGGGTGTCTTAGGCTCTCCGAGGCAATAACAAGCTCAGTTAACC ATTTCCCTTCTGGTTGACTGCTGAGTTATGCAGATTCCAGNTCATTAAAGCCCTGAGTAT AGAGTATGAGGCCAACATCTTTCTTTAGTAAAAGCCATGCCATTGCGCTGCCTTTCCCT TTTCTCCTTTATCTGGGCGACTGTTTTTGGAACTGGGGTCTCCCTGCAGCAGGCAGC AGGAGAACTCCAGTCAGCCTGCATGGGGGGGCTATCCTTGTACCATGAGGAGATGAG CAATAGACAGAGACTTTGGGAACGCGAGACCANTTGACCGGGCTTGGGTAGGAACCGACT TGAAGCGCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022770
Insert Size:	2050 bp
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).
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_022770.2](#), [NP_073607.2](#)

RefSeq Size: 2176 bp

RefSeq ORF: 651 bp

Locus ID: 64785

UniProt ID: [Q9BRX5](#)

Cytogenetics: 16q21

Gene Summary: This gene encodes a protein subunit of the GINS heterotetrameric complex, which is essential for the initiation of DNA replication and replisome progression in eukaryotes. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform b), compared to isoform a.