

Product datasheet for **SC324398**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022770.2
 CCGCTTCCCCGTCTTGTACACCCCTAACTCCTGAGGCTCCTCCGAATCACGCGAGTGGAA
 GCGGAGAAGCTCAAGTGGCCGCCATGTCAGAGGCTTATTTCCGAGTGGAGTCGGGTGCGC
 TGGGGCCTGAGGAGAAGCTTTCTTTCTTTGGACGACATCCTGATGTCCACGAGAAGCTGC
 CCGTGCGCACGGAGACGCCATGCCTCGCCTTGGCGCTTCTTCTGGAGCGGAGCGCAG
 GCGCCGAGACTGACAACGCGGTCCACAGGTTCCAAGCTTGAACACCTTTGTGGTGG
 CAAAAGGACTTTTTGACAACAAGCGGATCCTTTCTGTGGAACCTCCCAAGATCTACC
 AAGAGGGTTGGAGGACTGTGTTCAAGTGCAGATCCCAATGTGGTGGACCTCCACAAAATGG
 GGCCCCATTTCTACGGGTTTGGCTCCAGCTCCTGCATTTTGACAGTCCCAGAAATGCAG
 ACATTTCCAGTCTCTGCTGCAGACTTTTATCGGACGTTTTTCGCCGATCATGGACTCCT
 CACAGAATGCTTACAACGAAGACTTTCAGCCCTGGTAGCCAGGCTAGACGAGATGGAGA
 GGGGCTTATTTCAAACAGGGCAGAAAGGACTGAATGACTTTCAGTGTGGGAGAAGGGGC
 AGGCTTCTCAGATCACAGCTTCCAACCTCGTTCAGAATACAAGAAGAGAAAATTCAGT
 ATATGGAAGACTGAAAGCCGGAAGAACACAGAATGGCTCCTCACAGACGTATCCCTCCGT
 GTGTCTTGTATAGGAGCTGGTTGACCTTGTACAGAACCAGAATCCTGTCCATTTTATGG
 CTATTTCTGTGGCCATAGAGAATTATAGGGAAGTGGACATGCTGGAGGATGTGGGTGT
 CCCTGGCTCTGTGAGTCTTCCAGGACCGTCCCACCTGCTGACCCACAGCCAGGCCCTT
 TAACCAAGAACCATGGCCAAGGAGAAATCAAAGTCTTCTAAATAAGAATCACTGCC
 ATATAATATATCACAGTACAGTGTGCAACTGAGATTCTTGTGTCTGGGAGTTTGGACAGC
 TTCAGATGTACAGTTTCACTAGCCACAAAGCACAGGTACAAAATGGGTATCGCCTGTTC
 ACAAAAATGCTCTTGTATCTTATTTGCCTCATCTTCTCATGGTGTACAGAGGATAGCA
 CCCACCATGCCAGCCTGACTTGGAGATATCTCCTGCTGCCTGCCTGCAGGGAGTTACCC
 CAGTTTTCAAAAACAGTCGCCAGATAAAGGAGGAAAAGGAAAGGCAGACGAATGGCAT
 GGCTTTTACTAAAGAAAAGATGTTGGCCTCATACTCTATACTCAGGGCTTAATGAACTGG
 AATCTGCATAACTCAGCAGTCAACCCAGAAGGAAATGGTAAACTGAGCTTGTATTGCT
 CTCGGAGAGCCTAAGAGCACCCGCACACTTAATTCTACTCCCTGTCTAGAAAAGCTGTCA
 GGGAGTCGTTTGGAAATTGCAATGTAGTTATTAAGGGCTGTTAACCAGCCTGCATTACATC
 TGGAAAGTCAAGACTTGGGTGCTGACTATGAAGGGCCCTGTTTTCAAAATTAACATTGCA
 AGTGTAATGGGCAAGAAGCCTCCGTTGTGCTTTTTTTTTCTCTTCAGTAACTTTTGTCA
 ACATTATTGCATAGAAGATCCCTGACCATTTACTAGGAACCTGGTTAAGCAAGCACTAAT
 CTCTTTTCTGGAGATCAAGGATGCAACCTCAGGTTGAGAAAGAAACAGGGTTCCCTGGG
 CCCATTAGACTGTTTGCAGGGCATCACTGCTTCCCCTGACACCTCACAACCTAGCAAAAA
 TTGCTTTTGTCTTTGAAATTATAGAGGGATTTGGGTATCCAGATTGTGCAGATGCAAAAC
 TTAGGCTGTCTTGTGCAAACTTAGAACACAGAAATGCTTTTAAAATGCCTGTTTAAAG
 ATGGAATTGTTGTTTTATAATTTGATTTTAGTGCTAAATAAATGATTGGCTTTGTACAT
 GAATATGTTCTGTACAAGTGTCTTTTCACTAGTACTACAGATAATCAAAGCTATCAGAAT
 TGTGCTTTGATCATATTTGACGGTAATACACAAAATAATCCATGTTTTAGCAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022770

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:	<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:	<u>NM_022770.2</u> , <u>NP_073607.2</u>
RefSeq Size:	2176 bp
RefSeq ORF:	651 bp
Locus ID:	64785
UniProt ID:	<u>Q9BRX5</u>
Cytogenetics:	16q21
Gene Summary:	<p>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]</p> <p>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.</p>