

Product datasheet for **SC104163**

PSF2 (GINS2) (NM_016095) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSF2 (GINS2) (NM_016095) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSF2
Synonyms:	HSPC037; Pfs2; PSF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_016095 edited ATGGACGCTGCCGAGGTCGAATTCCTCGCCGAGAAGGAGCTGGTTACCATTATCCCCAAC TTCAGTCTGGACAAGATCTACCTCATCGGGGGGACCTGGGGCCTTTTAACCCTGGTTTA CCCGTGGAAGTGCCCTGTGGCTGGCGATTAACTGAAACAAAGACAGAAATGTCGCCTG CTCCCTCCAGAGTGGATGGATGTAGAAAAGTTGGAGAAGATGAGGGATCATGAACGAAAG GAAGAACTTTTACCCCAATGCCAGCCCTTACTACATGGAACCTACGAAGCTCCTGTTA AATCATGCTTCAGACAACATCCCGAAGGCAGACGAAATCCGGACCCTGGTCAAGGATATG TGGGACACTCGTATAGCCAACTCCGAGTGTCTGCTGACAGCTTTGTGAGACAGCAGGAG GCACATGCCAAGCTGGATAACTTGACCTTGATGGAGATCAACACCAGCGGGACTTTCCTC ACACAAGCGCTCAACCACATGTACAACTCCGCACGAACCTCCAGCCTCTGGAGAGTACT CAGTCTCAGGACTTCTAG


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016095 unedited GAATATGTAATACGACTCACTATAGGGCGGCNCGCGAATTCGCACCAGGCGTCTCCTCCG GGACGCTGAGGGGCCCCGAGGAGACCGTGAGGCTCTGGCCTGCAGCTCGCGCCGCCATGGA CGCTGCCGAGGTGCAATTCCTCGCCGAGAAGGAGCTGGTTACCATTATCCCCAACTTCAG TCTGGACAAGATCTACCTCATCGGGGGGACCTGGGGCCTTTTAAACCCTGGTTTACCCGT GGAAGTGCCCCCTGTGGCTGGCGATTAACCTGAAACAAAGACAGAAATGTCGCCTGCTCCC TCCAGAGTGGATGGATGTAGAAAAGTTGGAGAAGATGAGGGATCATGAACGAAAGGAAGA AACTTTTACCCCAATGCCAGCCCTTACTACATGGAACCTACGAAGCTCCTGTTAAATCA TGCTTCAGACAACATCCCGAAGGCAGACGAAATCCGGACCCTGGTCAAGGATATGTGGGA CACTCGTATAGCCAACTCCGAGTGTCTGCTGACAGCTTTGTGAGACAGCAGGAGGCACA TGCCAAGCTGGATAACTTGACCTTGATGGAGATCAACACCAGCGGGACTTTCCTCACACA AGCGCTCAACCACATGTACAACTCCGCACGAACCTNCAGCCTCTGGAGAGTACTCAGTC TCANGACTTCTANAGAAAGGCCTGTTGCAAGCGGCTTGTGGGGATGTGAGCGCTCANG ACGTGATGAAGTACCTCCTGGTTCTTGAGCTCTATGAACACTTCTGATGCATGAAAAATG TGTGATGGTGCCAGGAATGGATTACGATGTTGTTGGAGAAACAAGTTGTGAATAGTCTCT TTAAACTTAGCTCCTGGGACATTCTTAATTCACCATCTGTTTAGAAACACCCCTTTTTTCC CCACTTTGAGAAAAAAGCCTAGGAATAAGCAACTCCCTACAACCCTGGGTCTCTCTGA AACATACATGGGCCGGGTCAAG
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016095 unedited GATCAGTTTTTTTCTTTTTTTTTTATTGGGTCCTTTTTATGTGGATCAGGCTTAGAGGA TAAGCACCGGTCAGCATTGTTGGCTGCACCATCTGCCATCCTTCTGTGAGCCACCTCT GTGAGAGAGTCTAAATTCAGCCCAAGAAATCAGGATCAAGAAGGGGTAAAAAGCCGTGGA CCACATGTCCACTCCTGCTGTATCTACACCTACCAGTCACTGAACACCTGCCCAAGTG ATGGCTTCCATGCAGGAGACCCAAGTGGCTCTGCTAGGGAGAATGACTTATTTACCTAAG GCTTTTTTATTTCTAAAAGTGGGGGAAAAAGGGCTGGTTTCTAGAAACAGATGTGAA TTGAAGAATGTCCAGGGAGCTAAGTTTTAAGGACTAATCACAACTTGTCTCCAACA ACATCCTGAATCCATTCTTGACCATCACACATTTTTCATGCATCAGAAGTGTTCCTAG AGCTCCAGAACCACGAGTACCTCATCACGTCCTGAGCGCTCACATCCCCAGCAAGCCGC CTGCACCAAGGCTTTCTCTAGAAGTCTGAGACTGAGTACTCTCCAGAGGCTGGAGGTT GTGCGGAGTTTGTACATGTGGTTGAGCGCTTGTGTGAAGAAAGTCCCGCTGGTGTGATC TCCATCAAGGTCAAGTTATCCAGCTTGGCATGTGCCTCCTGCTGTCTACAAAGCTGTGAG CAGACACTCGGAGTTTGGCTATACGAGTGTCCACATATCCTTGACCAGGTCGGATTT TCTCTGCCTTTCGGATGTTGGCTGAAGCATGATTACAGGAGCTTCCTAAGTCCATGTAG TAAAGGCTGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_016095
Insert Size:	1350 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:	<u>NM_016095.1, NP_057179.1</u>
RefSeq Size:	1182 bp
RefSeq ORF:	558 bp
Locus ID:	51659
UniProt ID:	<u>Q9Y248</u>
Cytogenetics:	16q24.1
Domains:	DUF392
Protein Families:	Druggable Genome
Gene Summary:	The yeast heterotetrameric GINS complex is made up of Sld5 (GINS4; MIM 610611), Psf1 (GINS1; MIM 610608), Psf2, and Psf3 (GINS3; MIM 610610). The formation of this complex is essential for the initiation of DNA replication in yeast and Xenopus egg extracts (Ueno et al., 2005 [PubMed 16287864]). See GINS1 for additional information about the GINS complex. [supplied by OMIM, Mar 2008]