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Product datasheet for SC321599

PSF1 (GINS1) (NM_021067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSF1 (GINS1) (NM_021067) Human Untagged Clone
Tag:	Tag Free
Symbol:	PSF1
Synonyms:	IMD55; PSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_021067.2
GGGAGCGCGGAGCGGAGGCCGAGGCGAGAGCCTGGCGCTGTAGGACTAGAACGAAAGGAG
TGAGGCGCCGAGAGCCCAGATACCATTTTGGCGTGAGAGCTGGTGGTTGGCAAGGCCGCG
GGAGTGGGAAGCGTCCGCCATGTTCTGCGAAAAAGCCATGGAACTGATCCGCGAGCTGCA
TCGCGCGCCCGAAGGGCAACTGCCTGCCTTCAACGAGGATGGACTCAGACAAGTTCTGGA
GGAGATGAAAGCTTTGTATGAACAAAACCAGTCTGATGTGAATGAAGCAAAGTCAGGTGG
ACGAAGTGATTTGATACCAACTATCAAATTTCGACACTGTTCTCTGTTAAGAAATCGACG
CTGCACTGTAGCATACCTGTATGACCGCTTGCTTCGGATCAGAGCACTCAGATGGGAATA
TGGTAGCATCTTGCCAAATGCATTACGATTTCACATGGCTGCTGAAGAAATGGAGTGGTT
TAATAATTATAAAAGATCTCTTGCTACTTATATGAGGTCACTGGGAGGAGATGAAGGTTT
GGACATTACACAGGATATGAAACCACCAAAAAGCCTATATATTGAAGTCCGGTGTCTAAA
AGACTATGGAGAATTTGAAGTTGATGATGGCACTTCAGTCCTATTAAAAAAAAATAGCCA
GCACTTTTTACCTCGATGGAAATGTGAGCAGCTGATCAGACAAGGAGTCCTGGAGCACAT
CCTGTCATGACCATGCGCCGAGGCACTTCCAGGCTTCACTCAACTCATGGACTCCTCTGT
ACTCACTCTCTCCACCACTCCCTTCACCTCCCTCTTTGATTTTAGAAGCTATAGACATTG
TTTAAGATAACTAAGAATACTTGGCTAAGAAGTATAATTTGCTAACTATTAAGGACTTTC
TTTTTTTAATGTTGTACACTATTCTTCCTACTCTTTTTTGGTTTTGGTTTTGTTTTGTAG
AGACTGTCTCACTATGTTGCCCAAGCTGGTCTCAAACTCCTGGCCTCAAGCAGTCCTCCC
ACCTTAGCTTCTCAAAGTGTTGAGATCACAGGCGTGAGCCACTGCACCCGGCCCCTACTC
CTTTTTCTAATAAGCTGTATCTGTAATCACAGCATTCCTACAGTTGTTACAGTGTGTTTT
TTAAATGAAAGTAAACATGGTTACATTTGAATCTCTTAAATAAGCAGTCACTTGGCTGGA
CAGGAAGAAGGTAGATCCTGTGTGTCTTGTTTTCTGGTCATGTGTATTGTACAAGCTAGA
GAGCTGAATTTCTGAGATACACATTTTCAAATCACATGCAAGTGAAGATGATGGTCTGTA
GAAATTTTCAGTATATATAATGTTTAATGACATACTAATTTATCATCTGGCTATTTGGGA
AGGAAGGACACACATGGATTTTGCACATTTCCACCATGGTGGCTGGTGTGGCTTGTGGCT
ATGGGGTGATCACCAGTATCACCACTTTGGAAGGGGACAGTGAAATTGGGGCTAGAGAAG
GAACTTTGTACAGTTTTCCCTGAGATTCAGATTGACTGAAAAGTCACATGAAGAGTTGAT
TGTCTTTTAATGGTATGTTTTAAACAGCTGACATTTTAAATTTTGATGAAATCCAGTTTA
TTCGTTTGTTCTTTTATGCTTTGGGTGTTGCATCCGAGAAATCTTTTCCCATCCCAAGAT
CACAATTTTTTTTCCTTTTTACTTCTAGAAGTGTTATAATTTTAAGCTTTATACTTTGGT
CTATGACCCGTTTTTTTTTTTGTTTTGTTTTGTTTTTTCGTTTGTTTCTTTGTTTTGAGA
TGGAGCCTGGGTGATAGAGTGAGACACTGTCTTGCCAAAAAAAAAAAAAAAAAAAAAAA
A
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Restriction Sites: Please inquire

ACCN: NM_021067

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:	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_021067.2, NP_066545.2
RefSeq Size:	1861 bp
RefSeq ORF:	591 bp
Locus ID:	9837
UniProt ID:	Q14691
Cytogenetics:	20p11.21
Domains:	UPF0080
Gene Summary:	The yeast heterotetrameric GINS complex is made up of Sld5 (GINS4; MIM 610611), Psf1, Psf2 (GINS2; MIM 610609), and Psf3 (GINS3; MIM 610610). The formation of the GINS complex is essential for the initiation of DNA replication in yeast and Xenopus egg extracts (Ueno et al., 2005 [PubMed 16287864]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the supported protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.