

Product datasheet for **RG201425**

PSF3 (GINS3) (NM_022770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PSF3 (GINS3) (NM_022770) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PSF3
Synonyms:	PSF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201425 representing NM_022770 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGAGGCTTATTTCCGAGTGGAGTCGGTGCCTGGGGCCTGAGGAGAAGTTCTTTCTTTGGACG
ACATCCTGATGTCCACGAGAAGCTGCCGGTGCACGGAGACCGCCATGCCTCGCTTGGCGCTTTCTT
CCTGGAGCGGAGCGCAGGCGCCGAGACTGACAACGCGTCCACAGGGTTCCAAGCTTGAAGTACCTTG
TGGCTGGCAAAGGACTTTTTGACAACAAGCGACGGATCCTTTCTGTGGAAGTCCCAAGATCTACCAAG
AGGTTGGAGACTGTGTTCAAGTGCAGATCCCAATGTGGTGGACCTCCACAAAATGGGGCCCATTTCTA
CGGGTTTGGCTCCAGCTCCTGCATTTTGACAGTCCCGAGAATGCAGACATTTCCAGTCTCTGCTGCAG
ACTTTTATCGGACGTTTTCGCCGCATCATGGACTCCTCACAGAATGCTTACAACGAAGACTTCAGCCC
TGGTAGCCAGGCTAGACGAGATGGAGAGGGGCTTATTTCAAACAGGGCAGAAAGGACTGAATGACTTTCA
GTGTTGGGAGAAGGGCAGGCTTCTCAGATCACAGCTTCCAACCTCGTTCAAGATTACAAGAAGAGAAAA
TTCACTGATATGGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201425 representing NM_022770
 Red=Cloning site Green=Tags(s)

MSEAYFRVESGALGPEENFLSLDDILMSHEKLPVRTETAMPRLGAFFLERSAGAETDNAVPGGSKLELPL
 WLAKGLFDNKRRLSVLTPKIYQEGWRTVFSADPNVVDLHKMGPHFYGFGSOLLHFDSPENADISQSLQ
 TFIGRFRRIMDSSQNAYNEDTSALVARLDEMERGLFQTGQKGLNDFQCWEKGQASQITASNLVQNYKKRK
 FTDMED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022770

ORF Size: 648 bp

OTI Disclaimer: 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: [NM_022770.4](#)

RefSeq Size: 2176 bp

RefSeq ORF: 651 bp

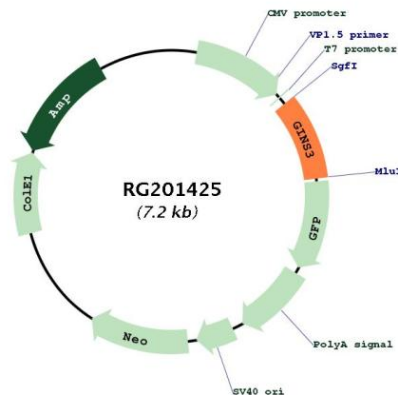
Locus ID: 64785

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]

Product images:



Circular map for RG201425