

Product datasheet for **RC225337**

PSF3 (GINS3) (NM_001126129) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PSF3
Synonyms:	PSF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225337 representing NM_001126129
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGAGGCTTATTTCCGAGTGGAGTCGGTGCGCTGGGGCCTGAGGAGAACTTTCTTTCTTTGGACG
ACATCCTGATGTCCACGAGAAGCTGCCGGTGCGCACGGAGACCGCCATGCCTCGCCTTGCGCGCTTTCTT
CCTGGAGCGGAGCGCAGGCGCCGAGACTGACAACGCGGTCCACAGGGTTTGTCTGTTGCCAGGCTG
GAGTGCAGTGGTGTGATATGGCTCACTGCAGCCTTGACCTCCAGGCTCCAGAGATCCTCCACCTCAGC
CACCTATGTGGCTGGTATTGCAGGGTTCCAAGCTTGAACCTACCCTGTGGCTGGCAAAAGGACTTTTGA
CAACAAGCGACGGATCCTTTCTGTGGAACCTCCCAAGATCTACCAAGAGGGTTGGAGGACTGTGTTCACT
GCAGATCCCAATGTGGTGGACCTCCACAAATGGGGCCCCATTTCTACGGGTTTGGCTCCAGCTCCTGC
ATTTTGACAGTCCCGAGAATGCAGACATTTCCAGTCTCTGCTGCAGACTTTTATCGGACGTTTTCGCCG
CATCATGGACTCCTCACAGAATGCTTACAACGAAGACACTTCAGCCCTGGTAGCCAGGCTAGACGAGATG
GAGAGGGGCTTATTTCAAACAGGGCAGAAAGGACTGAATGACTTTTCAGTGTGGGAGAAGGGGCAGGCTT
CTCAGATCACAGCTTCCAACCTCGTTCAGAATTACAAGAAGAGAAAATTCAGTATGGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225337 representing NM_001126129

Red=Cloning site Green=Tags(s)

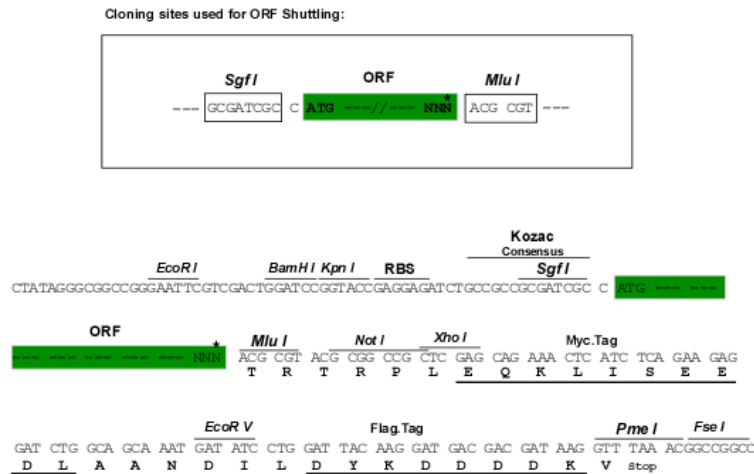
MSEAYFRVESGALGPEENFLSLDDILMSHEKLPVRTETAMPRLGAFFLERSAGAETDNAVPQGFALLPRL
ECSGVIWLTAAALTSQAPEILPPQPPMWLVQGSKLELPLWLAKGLFDNKRRLSVELPKIYQEGWRTVFS
ADPNVVDLHKMGPHFYGFGSQLLHFDSPENADISQSLQTFIGRFRIMDSSQNAYNEDTSALVARLDEM
ERGLFQTGQKGLNDFQCWEKGQASQITASNLVQNYKKRKFTDMED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:

NM_001126129

ORF Size:

765 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001126129.2](#)

RefSeq ORF: 768 bp

Locus ID: 64785

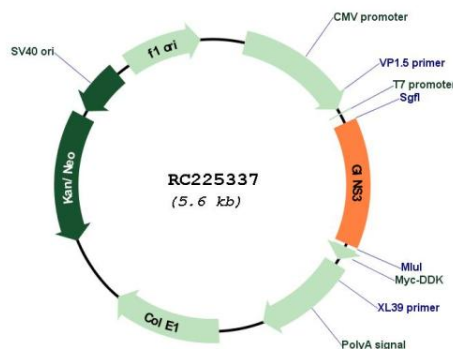
UniProt ID: [Q9BRX5](#)

Cytogenetics: 16q21

MW: 28.6 kDa

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 RC225337