

Product datasheet for **RG200810**

PRP19 (PRPF19) (NM_014502) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRP19 (PRPF19) (NM_014502) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRP19
Synonyms:	hPSO4; NMP200; PRP19; PSO4; SNEV; UBOX4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200810 representing NM_014502
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTAATCTGCTCCATCTCTAACGAAGTGCCGGAGCACCCATGTGTATCCCCTGTCTCTAATCATG
 TTTATGAGCGCGGCTCATCGAGAAGTACATTGCGGAGAATGGTACCGACCCCATCAACAACCAGCCTCT
 CTCGAGGAGCAGCTCATCGACATCAAAGTTGCTCACCAATCCGGCCCAAGCCTCCCTCAGCCACCAGC
 ATCCCGGCCATTCTGAAAGCTTTGCAGGATGAGTGGGATGCAGTCATGCTGCACAGCTTCACTCTGCGCC
 AGCAGCTGCAGACAACCCGCCAAGAGCTGTCACACGCTCTGTACCAGCACGATGCCGCTGCCGTGCAT
 TGCCCGTCTACCAAGGAAGTCACTGCTGCCGAGAAGCTCTGGTACCCTGAAACCACAGGCTGGCCTC
 ATTGTGCCCGAGCTGTGCCAAGTCCCAACCAAGTGTGTGGGTGCGGGTGAAGCAATGGATTTGGGTG
 AGCTGGTGGGAATGACCCAGAGATTATCAGAAGCTTCAAGACAAGCCACTGTGTAACCACGGAGCG
 CAAGAAGAGAGGGAAGACTGTGCCTGAGGAGCTGGTGAAGCCAGAAGAGCTCAGCAAATACCGCAGGTG
 GCATCCACAGTGGGGTTCACAGTGCCAGCATTCTGGGATCCTGGCCCTGGACCTCTGCCGTCGGACA
 CCAACAAGATCCTCACTGGTGGGGCGGATAAAAATGTCGTTGTGTTTGACAAAAGTTCTGAACAAATCCT
 GGCTACCCCTAAAGGCCATACCAAGAAGGTACCAGCGTGGTGTTCACCCCTCCAGGACCTGGTGT
 TCTGTTCCCGGATGCCACTATCAGGATTTGGTCCGGTCCCAATGCCTCTTGTGTACAGGTGGTTCGGG
 CCCATGAGAGTGTGTGACAGGCCTCAGCCTTCATGCCACTGGCGACTATCTCCTGAGCTCCTCCGATGA
 TCAGTACTGGGCTTTCTCTGACATCCAGACAGGGCGTGTGCTACCAAGGTGACAGATGAGACCTCCGGC
 TGCTCTCTCACCTGTGCACAGTCCACCCTGACGGACTCATCTTGGAACAGGAACCATGGACTCTCAGA
 TCAAGATCTGGGACTTGAAGGAACGTAATAATGTGGCCAACTCCCTGGCCACTCGGGCCCATCACTAG
 CATCGCCTTCTCTGAGAATGGTTACTACCTGGCTACAGCGGCTGATGACTCCTCTGTCAAGCTCTGGGAT
 CTGCGCAAGCTTAAGAACTTTAAGACTTTGACAGCTGGATAACAACCTTTGAGGTAAAGTCACTGATCTTTG
 ACCAGAGTGGTACCTACCTGGCTCTTGGGGGCACGGATGTCCAGATCTACATCTGCAACAATGGACGGA
 GATTCTTCACTTTACAGAGCATAGCGGCCTGACCACAGGGGTGGCCTTCGGGCATCACGCCAAGTTCATC
 GCTTCAACAGGCATGGACAGAAGCCTCAAGTCTACAGCCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG200810 representing NM_014502
 Red=Cloning site Green=Tags(s)

MSLICISISNEVPEHPCVSPVSNHVVYERRLIEKYIAENGTDPINNQPLSEEQLIDIKVAHPIRPKPPSATS
 IPAILKALQDEWDAVMLHSFTLRQQLQTRQELSHALYQHDAACRVIAARLTKEVTAAREALATLKPQAGL
 IVPQAVPSSQPSVVGAGEPMDLGEIVGMPTEIIQKLDKATVLTTERKKRGKTVPEELVKPEELSKYRQV
 ASHVGLHSASIPGILALDLCPSTNKKILTGGADKNVVVFDKSSQILATLKGHTKKVTSVVFHPSQDLVF
 SASPDATIRIWSVPNASCVVVRHESAVTGLSLHATGDYLLSSDDQYWAFSDIQTGRVLTQVTDVETSG
 CSLTCAQFHPDGLIFGTMTDSQIKIWDLKERTNVANFPGHSGPITSIAFSENGYYLATAADDSSVKLWD
 LRKLKFNKTLQLDNNFEVKSILFDQSGTYLALGGTDVQIYICKQWTEILHFTEHSGLTGVAFGHHAKFI
 ASTGMDRSLKFYSL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_014502

ORF Size: 1512 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_014502.5](#)

RefSeq Size: 2221 bp

RefSeq ORF: 1515 bp

Locus ID: 27339

UniProt ID: [Q9UMS4](#)

Cytogenetics: 11q12.2

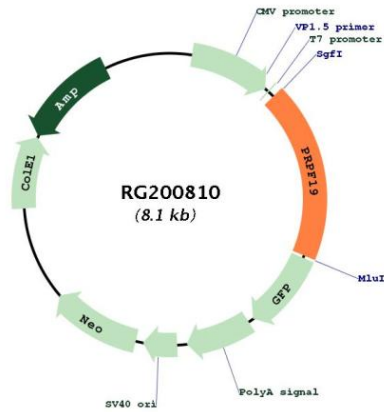
Domains: WD40, U-box

Protein Families: Druggable Genome

Protein Pathways: Spliceosome, Ubiquitin mediated proteolysis

Gene Summary: PSO4 is the human homolog of yeast Pso4, a gene essential for cell survival and DNA repair (Beck et al., 2008 [PubMed 18263876]).[supplied by OMIM, Sep 2008]

Product images:



Circular map for RG200810