

Product datasheet for **RN207475**

Gprasp1 (NM_134386) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gprasp1 (NM_134386) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gprasp1
Synonyms:	pips
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207475 representing NM_134386 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTGGGGCAGAGGTTGAGCCTGGTGCCAGGCAAAGGCTGAAAATAAGCCTGGGGATGAGAATGCTA
ATGCTGCTGAAGTAGAGCCTGAAGTTCGGTTAGTGGTCAGACCCAAGGTTAGGACACAAATGATGACTGG
AGCAAGACCCAAAGTGAAGCCTAAGGGTACCCCTGGAGCAAGGCCTAAAGGTGAAACCAGTTCACCAGGT
GGGCATATGCTAAATGTAAAGCCAGGTCAATCCCTATTTACGATCTAAGCATGATGCACAAGTCTGGG
CCCCGAGTAAGTTTCGTGGTGAGTCCATGTCAAAGATGGGGAAGCAATGTGAGTCAAGTCTGCAGACTC
CCCACTGGTCAAGTATTCTGGGGCGGTTGCTCAAGCTAAGTGCCTGTCTGTAGATAGAGAACTTGCT
AATATGGACACTGAGAGTATCCCAAAAAGGCCAGTTCCTCAGCAAGATTCCAGCCTTCATTTGGCCAG
AGGAGGGAACCAGTATGGGATCCTGGTACCGTCCCAGGCCTATCCCTAAAGGAGAGGCATATGAGAATTC
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TGCTAGACACAAGAACAACAGGAGTTCTATAAATTTCCAGTCTGATTCTGAAGATGAGTCTGCTAA
GACTCCCTGGTTCTGGGCCAAAGACAAGCCAAAGTCTGGTCTAGGCCAAAGAAGAGCCCAATACTAGG
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GAACCAGACCAATGCCAAGGGAAGAAGTCAAACTAAGGCCAGAGCAAGTACCAACAAGAAGCCAGGCC
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GATGAGGTCATTATTGGATCCTGGTTCTGGGCTGATGATGAAGAGATCAGCTTACAGGCTGATGATGAGT



CTATTTTGGATCTTGGTCTGGGGCACTGGTGAGAAAAGCCTTAGATCTGTTGGAGTCAGTTGTGAGAA
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 GAGATGGAGGAACAGGCCAGTTCAGCATCCACAAAAGGAACAATCTTTGTGCCTTGGTTTTGGTCTGAAA
 AGCAAGCACATATGGATTTAGGAACCGAACCTTGCTCTGACATCATGGCAGGAGCTGAGGAGGAGCCCAT
 AATTGGCCCTGGTCTGGGCTAAAGTAGATAATAGTGTGGAGGCTGAAGTTAATAGTAAGTCTAGCCTT
 GAAGATGAGGAAGAACCATTAGATCACCTTGGTTTGGGGCCAGAGAACAACCAATATGAAGTATGCAG
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 GGGATGAGGCTACTGTTCAAGTTAAGCCTGGTCCATGGGAAAGGCTGGCTTCCCATCTTAAACCCCTT
 CCGATTTCCAAAAGAAGCAGCATCTCTGTTTGCAGAAATGTTTGGGGAAAGCCTAAGCTTGTGGAAGTT
 GGTAAGAGAGAGCCTGAACCCAGTCCCATTTTCAAGTATGATCCTTCTTACCGGTGAGTCCCGGAAA
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 GCTTAGAATTGGTCTGAGGAGTTTGGGAAGTCTTTTAAATGATGGACAGAAATCGTGATCCATTTATC
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 CGGGTGTATCTCACTTATTGAAGCCCTGATGAATATCCTTCTCCCGAGCGAGGACTGCCTTTTTGGA
 AAACATGATTCAAATGGCTCCAATTAACAGACCTAACATGATCGAGACATATGTGTGCAGGTGTGT
 GAGGATACCTTTGATTATGACTTGGATTCTCTGACCAGTTGTCTGGACTGACAATGATTACACACCTCA
 CTACTACTTTTACTATCACAAGTGGTGTGCGTTACTTGGCTGGCTTTTACTACTACTGAATTCGGG
 CAATACCAACAACAGGTTTCATGTTCTGAAACTGCTACTAAATTTGTCTGAAAGCCTTGTATGACAAAA
 CGCCTACTTATTACTGATTGAGTGTGAGAAATTTATGGCCCTTTTAAATAGGGAGGACTCAGATGAAAACA
 TTCAAATATTCTTGAATATTTGAGAATATCAGTAAAAATATTCAAAAAGAGGCACTGTTTGTGATGA
 TGAGGAAGAGGAGGAGGAGGAGGCGGTGAATCTTGAACCGCTATTTTCAGCATTCCGTGAGGCTGAA
 AAATTTGCCAAGGAAGTAAACGTAAAACCGACGATCAGAAATCACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_134386
- Insert Size:** 4041 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: [NM_134386.1](#), [NP_599213.1](#)

RefSeq Size: 6400 bp

RefSeq ORF: 4041 bp

Locus ID: 171407

UniProt ID: [Q920R4](#)

Cytogenetics: Xq32

Gene Summary: may mediate feedback loop or output mechanism of circadian rhythm through interacting with Per1 in the SCN [RGD, Feb 2006]