

Product datasheet for **RN214821**

Gps1 (NM_053969) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gps1 (NM_053969) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gps1
Synonyms:	MFH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214821 representing NM_053969
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGGGGACGCCGGCGCCAGCTCTGCCTCGTCGCGCTCCGACTTGAGCCGAGCCCTGCGCACA
GCAGGTCAGACTTGCGGCCCGGCACGTCGGGCGACTACAGCCTGAGCGCCAGCCTGTCGGCTGCACGCT
ACTTCCGAGGGGGCCGTGGAACCCATGCAGATTGATGTAGATCCGCAGGAAGATCCCCAGAACGCACCT
GATGTCAACTACGTGGTGGAGAACCCACCCTGGATCTGGAGCAGTATGCAGCCAGCTACAGTGGTCTGA
TGCGTATTGAGCGGCTACAGTTTATTGCTGACCCTGCCCTCCGTTGCGAGTGGAGGCCCTGAAAAATGGC
TCTGTCTTCGTGCAGAGGACCTTCAATGTGGACATGTATGAAGAGATACACCGGAAGCTCTCTGAGGCT
ACCAGGGAGCTGCAGAAATGCACCTGATGCCATCCCTGAGAGTGGAGTGGAGCCCCACCCCTGGACACAG
CCTGGGTGGAGGCCACTCGGAAGAAGGCCCTGTTGAAACTGGAGAAGTTAGACACGGACTTGAAGAACTA
CAAGGGCAATTCTATCAAGGAGAGCATCAGGCGCGGCCATGATGACCTGGGTGACCACTACCTGGACTGT
GGGACCTCAGCAATGCCCTCAAGTGTTATTTCGCGAGCCCGAGACTACTGCACCAGTGCTAAGCATGTCA
TCAACATGTGCCTCAATGTCATCAAGGTCAGTGTCTACTTGCAGAATTGGTCTCATGTGTTAAGCTATGT
CAGCAAGGCTGAGTCTACTCCAGAGATTGCTGAGCAGCGGGGAGAGCGGGACAGCCAGACTCAAGCCATC
CTCACCAAGCTCAAGTGTGCTGCAGGCTTGGCTGAGCTGGCTGCACGAAAGTATAAGCAAGCTGCCAAGT
GCTTCCTTCTGGCTTCCTTTGATCACTGTGATTTCCAGAGCTGCTGTCCCCAGCAATGTGGCTGTCTA
TGGTGGCCTATGTGCCTTAGCCACCTTTGACCGGACAGGAGCTGCAACGCAATGTCATCTCCAGCAGCTCC
TCAAGTTGTTCTGGAGCTGGAGCCACAGGTCAGAGACATCATCTTCAAATTTTATGAGTCCAAGTATG
CCTCATGCTTGAAGATGTTGGACGAGATGAAGGACAACCTGCTCCTGGACATGTACCTGGCCCCCTCAGT
CAGGACACTGTATACCCAGATCCGTAACCGGGCTCTCATCAATACTTCAGCCCCCTATGTGTACGCTGAT
ATGCACAAGATGGCTGCTGCCTTCAACACAACAGTTGCAGCTCTGGAGGATGAGCTCACACAGCTCATCC
TGGAGGGCCTTATTAATGCCCGCATCGACTCACACAGCAAGATACTGTATGCTCGAGACGTGGATCAGCG
TAGCACCACCTTTGAGAAGTCCCTGCTGATGGGCAAGGAGTTCCAACGACGGGCCAAAGCCATGATTCTG
AGAGCAGCTGTGCTACGCAACCAGATCCATGTCAAGTCTCCTCCTAGAGAAGGGAGCCAAGGGGAGCTGA
CTCCAGCAAACAGCCAGTCACGGATGAGCACCAACATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053969

Insert Size: 1581 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_053969.3](#), [NP_446421.3](#)

RefSeq Size: 2037 bp

RefSeq ORF: 1581 bp

Locus ID: 117039

UniProt ID: [P97834](#)

Cytogenetics: 10q32.3

Gene Summary: human homolg suppresses G-protein and mitogen-activated protein kinase mediated signal transduction [RGD, Feb 2006]

Transcript Variant: This variant (1) encodes the longer isoform (1).