

Product datasheet for **RN202951**

Grk5 (NM_030829) Rat Untagged Clone

Product data:

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|--------------------|-------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Grk5 (NM_030829) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Grk5 |
| Synonyms: | Gprk5 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN202951 representing NM_030829
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTGGAAAACATCGTGGCCAACACGGTCTTGCTGAAAGCCCGGGAAGGGGTGGAGAAAACGCA
AAGGGAAAAGCAAGAAGTGAAGGAAATCCTGAAGTTTCTCACATCAACCAAGTGTGAAGACCTCCGGAG
AACCATAGACAGAGATTACTACAGTCTATGTGACAAGCAACCAATTGGGAGACTGCTTTTCGACAATTC
TGTGAAACCAGGCCTGGACTGGAGTGTACATTGACTTCTGGACTTAGTGGCAGAATATGAAATTAATC
CAGATGAAAACCTTGGGGCAAAGGGGAAGGAAATATGACCAAGTACCTCTCTCCAAAGTCCCCAGTCTT
CATTGCCCAAGTTGGACAGGACCTGGTCTCCAGACAGAGAAGAAGCTCCTGCAGAGCCCCTGCAAAGAA
CTCTTCTGCTGTGCTCAGTCTGTCCATGACTACTTGAAGGGAGACCCCTTCCACGAGTACCTGGACA
GCATGTATTTGACCGTTTTCTGCAGTGGAAATGGTTAGAAAGACAACCAAGTACCAAAAACACTTTCCG
GCAGTACCGAGTCTGGGCAAAGGGGGCTTTGGAGAGTTTGTGCCTGCCAGGTTCCGGGCCACTGGTAAA
ATGTATGCTTGCAAACGCTTAGAGAAGAAGAGGATCAAAAAAGGAAAGGAGAGTCCATGGCACTCAATG
AAAAGCAGATTCTTGAGAAAGTCAACAGCCAGTTTGTGGTCAACCTGGCCTATGCCTACGAGACCAAAGA
TGCACTGTGCTTGGTTCTGACCATATGAATGGAGGTGACCTGAAGTTTACATCTACAACATGGGAAAT
CCTGGCTTTGAGGAAGAACGAGCCTTGTTTATGCAGCTGAGATCCTCTGTGGCCTGGAAGACTTACACC
GTGAGAACACTGTCTATAGAGATCTAAAACCAGAAAACATCTTGCTGGATGATTATGGCCACATCAGGAT
CTCAGACCTAGGACTGGCTGTGAAGATCCCTGAGGGGGACCTTATCCGTGGCCGGTAGGCACTGTTGGC
TACATGGCCCCAGAAGTTCTGAACAACCAAGCGATATGGCCTGAGCCCTGACTACTGGGCGCTGGGCTGCC
TCATCTATGAGATGATCGAGGGCCAGTACCATTCCGAGGCCCAAGGAGAAGGTGAAGCGGGAAGAGGT
GGATCGCCGGGTGCTGGAGACTGAGGAAGTGTATCCCCCAAGTTCTCTGAAGAGGCCAAGTCCATCTGC
AACATGCTGCTCACCAAAGACTCGAAGCAGAGGCTGGGCTGCCAGGAGGAGGGGGCTGCCGAGGTCAAGA
GGCACCCCTTCTCAGGAACATGAACCTTAAACGCCTGGAGGCTGGGATGTTGGACCCTCCCTTCGTTCC
AGATCCCCGGGTGTATACTGCAAGGATGTGCTGGACATAGAGCAGTTCTCCACTGTGAAAGGTGTCAAC
TTGGACCATACGGACGATGACTTCTACTCAAAGTTCTCCACAGGCTCTGTGCCAATCCCATGGCAAAACG
AGATGATAGAAACAGAATGTTTCAAGGAGCTGAATGTGTTCCGACCCAACGGTACCCTCTACCAGACCT
GAACAGAAGTCAAGCTCCAGAACCAAAAGAAAGGGCTGTTCCACAGACTCTTCAGGCGTCAGCATCAA
AACATCCAAGAGTTACCTACTCCTAAGACCAGTTGTAAACACCGCATAAATCAAACACATCAATT
CAAACCTCACTGAAGCAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030829

Insert Size: 1773 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_030829.1](#), [NP_110456.1](#)

RefSeq Size: 2318 bp

RefSeq ORF: 1773 bp

Locus ID: 59075

UniProt ID: [Q62833](#)

Cytogenetics: 1q55

Gene Summary: plays a role in homologous desensitization of the thyrotropin receptor [RGD, Feb 2006]