

Product datasheet for **RN204470**

Grk4 (NM_022928) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grk4 (NM_022928) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grk4
Synonyms:	Gprk2l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204470 representing NM_022928
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGTGGAGAACTTCATGGCCAACACTTTGTGTCTGAAGGCTCGTCAAGATTACCAAAAAGACTG
 GTCGCAGTAAAAAGTGGAGAGAGCTCCTGAAGTTGCCCCAGTCAGCATGTGCAGTGACTTACGACACTC
 CATCGAAAAGGATTTTAGCAGTCTTTGTGACCAACAGCCAATCGAAGACTTCTTTTCAGACAATTCTGT
 AATACGAAACCAGATCTAAAGAGGTGCATTGAATTCCTGGATGCAGCGGCAGAGTATGAAGTTACCATCG
 AAGAGGAACAAAGAGAATTTGGACTATCCATCTACAGTAGATTCTCAAAGAGAATTCAGAAGTCTCCTT
 ACCACAGATACCTCCAGATCTTGTGAAGGAGTGTAAATGCAATCTGAAGCAGAGTTCTCCCTCTCAAAAT
 GTGTTCCAGGACTGTGCTGGAGTTATCTATAAGTATTTGAGTGAAAAACCATTTGAAGAATACCAAGAGA
 GTACATACTATAATCGATTTTACAATGGAAATGGCTAGAAAGGCGTCCAGTAACAAAGAACACATTCAG
 ACAATACAGAGTTTTAGGAAAAGCGGATTTGGAGAGTTTGTGCCTGTCAAGTGCAGACTACAGGAAAA
 ATGTATGCCTGCAAAAAACTAGAAAAAAAAGAATAAAGAAGAGGAAAGGTGAAGCCATGGCTCTGAATG
 AAAAAAGAATCTTAGAAAAATTGCATAGTAGATTTGTAGTTAGTTTAGCCTACACTTATGAAACCAGGA
 TGCTTTGTGTTTGGTGCTAACCATTTATGAATGGAGGGATTTGAAGTACCACATTTACAACCTGGGCAAT
 CCTGGCTTTGAGGAGCAGAGAGCTGTGTTCTATGCTGCAGAGCTGTGCTGTGGCTTGAAGATTTACAGA
 GGGAAAGAATTGTATACAGAGACCTAAAACCAGAGAATATCCTCCTTGATGATCATGGACACATCCGAAT
 TTCAGATCTTGGTCTAGCTCTGGAAATCCAGAAAGGGGAGATGGTTCGAGGAAGATTGGTACTGTTGGC
 TACATGGCTCCAGAAATATCAGTCATGAAAAGTATACATTTAGTCTGATTGGTGGGACTTGGCTGTC
 TGATATATGAAATGATTGCGGGACATTCCTCATTAGAAAAATATAAAGAAAAAGTCAACCGGGAGGAAAT
 GGAAGAAGAGTGAAGACTGAAACTGAGGAGTACTCTGAGAGGTTTTTCAGAGAATGCCAAGTCCATCTGC
 AGCATGTTACTTACCAAGGATCCAAGTAAAAGGCTGGGCTGCCAGAGTGTGAGGCTCTGCTGTAAGC
 AGCACCCAATATTCAAGGATATTAACCTCAGCAGACTGGAAGCAATATGTTAGACCCACCTTTCTGTCC
 TGATCCTGAGGCCATTTATTGTAAGGATATCTTGGATATTGGACAGTTCTCTGTGGTAAAAGGAGTCAAC
 CTGGACACCAATGATGAGATCTTCTACACTCAATTTGCGACAGGGTGTGTCACCATTCCCTGGCAGAAATG
 AGATGATTGAATCTGGATGTTTCAAGGACCTCAATGAATATGAAGATAAAGGTCTGTCACCACCTGAAAA
 ACACAAGATATGTTCTGTATTCTTAGACCAAAGAGAACTTCTCCATAGACTCTCAGAAGAGCGGCC
 TGCTGAACATTGCCACAGTGAAGAGAGGGAGCCAACAGAACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022928
- Insert Size:** 1728 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_022928.1](#), [NP_075217.1](#)

RefSeq Size: 1997 bp

RefSeq ORF: 1728 bp

Locus ID: 59077

UniProt ID: [P70507](#)

Cytogenetics: 14q21

Gene Summary: kinase that phosphorylates agonist-occupied form of G protein-coupled receptors and may be involved in testicular and spermatocyte development [RGD, Feb 2006]