

Product datasheet for **RN203693**

Grk3 (NM_012897) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Grk3 (NM_012897) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Grk3
Synonyms:	Adrbk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203693 representing NM_012897
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGACCTGGAGCCGTGCTGGCCAGCTCAGCTACCTGATGGCCATGGAGAAGAGCAAGGCGACGC
 CGGCCGCGCGCCAGCAAGAAGGTCCTCGCCGAGCCAGTATCCGGAGTGTGATGCAGAGGTATCT
 GGCAGAAAAGAAACGAAATAACCTTTGACAAGATTTTCAATCAGAAAATCGGCTTCTGCTATTTAAAGAT
 TTCTGCTTGAATGAAATCGGTGAAGCGGTGCCTCAGGTGAAATTTTATGAAGAGATAAAGGAATACGAGA
 AACTGGACAACGAAGAAGACCGGCTGCACCGGAGTCGGCAGATGTACGACGCCTACATCATGAGGGAGCT
 TCTGTCCAGCACACCAATTCTCAAAGCAAGCTGTAGAACATGTCCAGAGCCATCTCTCCAAGAAGCAG
 GTGACGCCTACCCTTTTTAGCCGTACATAGAAGAAATCTGCGAAAGCCTTCGAGGCGACATCTTCCAAA
 AGTTTATGAAAAGCGAAAATTCAGTAGATTCTGTGAGTGAAGAATGTGAATTGAATATTCATCTGAG
 CATGAACGACTTCAGTGTGCACAGGATCATCGGCCGAGGAGGTTTGGGGAAGTTTACGGCTGCAGGAAA
 GCAGACACCGGAAAATGTATGCCATGAAGTGCTTAGACAAGAAGAGAGTGAAGATGAAACAGGGAGAGA
 CACTGGCTTTGAACGAGAGGATCATGTTGTCTCTCGTCAGCACTGGGGACTGTCCCTTATTGTCTGCAT
 GACCTATGCCTTCCACACACCAGACAACTCTGCTTATCCTGGACCTGATGAACGGGGGCGACATGCAC
 TACCACCTCTCCAGCACGGGGTGTCTCTGAGAAGGAGATGCGATTTTATGCCAGCGAGATCATCTGG
 GCCTCGAGCACATGCACACCTGCTTGTAGTCTACAGAGACCTGAAGCCTGCGAACATCCTCCTGGATGA
 ATATGGGCATGTGAGGATATCGGATCTTGGCCTGGCCTGCGATTTCTCTAAAAAGAAGCCTCACGCCAGT
 GTGGGCACCCATGGGTACATGGCTCCCGAGGTGTTGCAGAAGGGGACATGCTACGACAGCAGCGCCGACT
 GTTTCTCCCTGGGCTGCATGCTCTCAAGCTCCTGCGGGGCCACAGCCCTTTCAGGCAGCATAAAAACCAA
 AGACAAGCATGAGATAGACCCGATGACCCGTGACCGTGAACGTGCAGCTTCCAGATGCCTTCTCCCTGAG
 CTGAGGTCCTTGGAGGGTTTGTCCAGCGGATGTGAGCCAGCGACTGGGCTGTACGGAGGAGGGG
 CACGAGAGTTGAAGGAGCACATCTTCTCAAGGCATCGACTGGCAGTATGTGTACTTACGGAAGTACCC
 GCCACCCCTAATCCCTCCTCGGGGAGAGGTCAATGCCGACAGCCTTTGATATTGGCTCGTTTGTGAA
 GAAGATACCAAAGGCATTAAGCTGTTGGACTGCGACCAGGACCTCTATAAGAACTCCCGCTGATGATTT
 CTGAGCGCTGGCAGCAGGAAGTAGTGGAGACCATCTACGACGCCGTCATGCCGAACTGATAAAATTGA
 GGCCAGGAAGAAGGCTAAAAATAAACAGCTTTGTCAAGAAGAAGATTATGCCATGGGGAAGGACTGCATC
 ATGCACGGATACATGCTGAAGCTGGGGAACCCCTTCTCACACAGTGGCAAAGACGTTATTTTTACCTGT
 TTCCCAACAGACTGGAGTGGAGAGGAGAGGGCGAGTCTCGGCAAAATCTACTGACCATGGAACAGATCAT
 GTCTGTGAGGAGACCCAAATTAAGACAGAAAATGCATTTTACTCAGGGTAAAAGGAGGGAAGCAGTTT
 GTTTTGAATGTGAGAGTGACCCCGAGTTTGCACAGTGGCTGAAAGAGCTGACGTGCACCTTCAACGAGG
 CCCAGAGACTGCTGCGCCGCGCCCAAGTTCTCAACAAACCAGTGGCCCATCTGGAGTTCTCCAA
 GCCACCGCTGTGCACAGAAATAGCAGCGGCCT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012897

Insert Size: 2067 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:	<ol style="list-style-type: none">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:	<u>NM_012897.2</u> , <u>NP_037029.1</u>
RefSeq Size:	2373 bp
RefSeq ORF:	2067 bp
Locus ID:	25372
UniProt ID:	<u>P26819</u>
Cytogenetics:	12q16
Gene Summary:	catalyzes phosphorylation of the beta-adrenergic receptor; may mediate desensitization of synaptic receptors; may regulate bone formation [RGD, Feb 2006]