

Product datasheet for **RN200232**

Arhgef7 (NM_053740) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef7 (NM_053740) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef7
Synonyms:	P85spr; Pak3bp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200232 representing NM_053740
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTGATAACGCCAACAGCCAACTGGTAGTACGAGCCAAGTTAACTCCAGCAGACCAATGAAGATG
 AGCTCTCCTTCTCGAAGGGTGACGTCCATGTCACTCGAGTGGAGGAAGGAGGCTGGTGGGAAGGCAC
 ACACAATGGCAGGACCGCTGGTCCCCAGCAACTACGTACGAGAGATCAAGCCAAGTGAGAAGCCTGTG
 TCACCCAAATCAGGGACCTTGAAGAGCCCTCCAAAGGGTTCGATACGACTGCCATCAACAAGAGCTATT
 ACAATGTGGTGCTACAGAACATCCTGGAACAGAGCATGAGTATCCAAGGAGCTGCAGTCTGTGCTGTC
 AACCTACCTGTGGCCGCTGCAGACCAGCGAGAAGTTGAGTTCAGCAAACACTTCATATTTAATGGGAAAT
 CTAGAGGAAATATCTTCCTCCAGCAAGTGCTGTACAGTCCCTAGAAGAATGCACAAAGTCTCCTGAAG
 CCCAGCAGAGAGTCGGTGGCTGCTTCTGAGCCTGATGCCGAGATGAGGACCCTGTACCTTGCCTACTG
 TGCCAACCACCCATCTGCTGTGAGCGTCTCACAGAGCACAGTGAGGACCTGGGAGAGTTTATGGAGACA
 AAAGGTGCCAGCAGCCCTGGGATCCTGGTGTGACTACCGGCCTGAGCAAGCCCTTCATGCGCCTGGACA
 AGTACCCACACTGCTGAAGGAGCTGGAGAGACACATGGAGGATTATCATCCTGATAGACAAGATATTCA
 GAAATCTATGACTGCCTTCAAAAACCTTTCAGCCCAGTGTCAAGAAGTACGAAAAAGGAAAGAGCTGGAG
 CTGCAGATCCTGACAGAGCCCATCAGGAGCTGGGAGGGGGATGACATAAAGACGTTGGGCAGTGTACAT
 ACATGTCCCAAGTCACAATTCAGTGTGCAGGAAGCGAGGAGAAGAATGAGAGGTACCTCCTGCTCTTCCC
 AAACCTTCTGCTCATGTTGTCTGCCAGTCCCAGGATGAGCGGTTTCATCTATCAGGGAAAGCTGCCAACA
 ACAGGAATGACAATCACAAAACTCGAGGACAGTGAGAACCATAGGAATGCATTTGAGATATCAGGGAGCA
 TGATCGAGCGCATCCTGGTGTCTGCAACAACCAACAGGACTGCACGAATGGGTGGAGCATCTGCAGAG
 GCAGACGAAGGTCACGTCTGTGAGCAACCCACCATCAAGCCCACTCGGTGCCATCGCACACACTTCTCT
 TCCCATCTCTCACTCCATCCAGCAAACACGCGGACAGCAAGCCTGTGGCACTGACGCCTGCGTACCACA
 CACTCCCCACCCTCTCACCATGGCACCCACATACCACCATCAGTGGGGACCCTGGAGCCTCCGAA
 GACCCCAAGCCTTGAGCCTGAGTTGCCTGCGGCCTGCCCTCCCCTCCGGCCCTCAGTGTCTCTGCTG
 TACAAGGAGGATCTCAGCAGGAGTCCCAAGACCATGAAAAGCTGCTGCCAAAACGCAAGCCCGAGCGCA
 AGCCTTACAGCAGGAGTTCGCTGTGCGCAAGAGCACAGCCGCTCTGGAGGAAGACGCTCAGATCCTGAA
 GGTATTGAAGCTTACTGCACAAGTGCAAAGACGAGCCAGACCCTGAACTCAACATGGCAAGGCACTGAC
 CTGATGCATAATCAGTCTTGGCTGATGACGACCAATCAAGTCTAGACTCCTTGGGTGCTGCGAGTAGCC
 TTTCTCGTTTGGAGCCCTCAGACCTCTCGAAGACTCTGAGTATGACAGTCTATGGACAGCCCATAGTTA
 CAGAATGGGTTCTGCATCCCGTAAGAGCTGCTGCTCATCTATCTCTACCAGAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053740

Insert Size: 1878 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_053740.2](#), [NP_446192.2](#)

RefSeq Size: 1878 bp

RefSeq ORF: 1878 bp

Locus ID: 114559

Cytogenetics: 16q12.5

Gene Summary: Rac/Cdc42-specific guanine nucleotide exchange factor; mediates bFGF-induced neurite outgrowth [RGD, Feb 2006]