

Product datasheet for **RN214927**

Arhgef37 (NM_001100974) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef37 (NM_001100974) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef37
Synonyms:	RGD1560471
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214927 representing NM_001100974
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGACTTTGAAACAGATGAGGCTCTTCCAAGTCAGAGAGCCCTGAGCAGGAAGGCCAGGGTTCTG
 AGGACAAATCTCTGCTCCATCAGAGGCTGGCCATCAGAGAGCTCATCGACACAGAAGTCTCTACTTGCA
 CACACTCCGACTCTGTACCTCTGACATCAGAGGCCACCTACAGCAGCTGCCGCCAGGAGATCTGGACATA
 CTGTTCTCAAACATCGATGACATCATCCAAGTGAGCAGCAGATTCTTACGGGGTGCAGGAGACAGCCT
 GCAAGGAAGAGAAACAAGCACACTTGATTGGTAACTTATTCTGGAATCCAAGAGGAGCTTGAACAAGT
 CTATAAGTCTACTGTGCCAATATGACCAGGCCCTGCTGCTGGTCAAGGCATACCAGAAGGAGCCGGAA
 CTCCAGAAGGAGATCCAGGGCATCATCGAAGTGCAGTCCACAAGCTGGACCTTCGGGTCTCAGTTTCT
 TACTTGTAAATCCCTCTGCAGAGGATTACCAAGTACCCCTCTGCTGCAGAAAATCTGGAGAACACACC
 TGGGATGCCAGTGCCACCCTGCTCTCAGAGAGCCACCTCTGCCCTCCAGGATGTGAACGCAATATC
 AACGAGTACAAGATGCGCAAGGAAGTGGCTTAAAGTATACCAAAGTGGAGCAGCTGAGCCTTCGGGAGC
 GGCTGGCCCGCATCAACACCCATACTCTTTCCAAGAAGACCACCAGGCTGAGCCAGCTGTGAAGCAGGA
 GGCGGGGCTCGTACCCAGGACAGAAGACAAGGAATTTGATGACTTGGAGGAGAGATTCCAGTGGGTGTCT
 CTGTGCGTGACAGAGCTGAAGAGCAATGTGGCAGCTTACATGGATAATCTGGAGGCTTCTCTGCTTCC
 GGCCACACGAGCGGAACCTGGATATCCCTGGGGAGCTGCGGAACAGTACTGCAGCCTAGCGAGGGACCT
 TCAGCTCCAGGCCTTCTGCAGTTAAGCAGCGGTTAACAGGCCCTGGTGTGGCAACCATTGTGCAGTCTG
 GCCAGAGCCCTGGTTGGCCCTCAGAACTTGATCAAGAAACGTCTGGACAACTCTGGACTTCGAGAGAG
 TAGAAGAAAAACTGTTGGATGTGGCAGTGTGACCTATGAGGAAGAGGGCGGCCCGCACAGTACCAGGC
 ACTCAACTCCTTGATAGTGGCTGAGCTCCACAGTTTAAACCACCTCGTCATGCAGTGGCTGGGCCAGATT
 CTGCGCACATTTGTGGTCTCCAGAGAGACCTTGACAGCAAGTCTGCGAAGGGCAGAGAGCAGCATGG
 CCCTGCTGCCTCATCGCCACGTCTCCGAGCCGACTTCCAGAAGCTGCTGGAGGACACGCTAGGCCAGAG
 CAGTAGCCAGCTCCGCCACTTTCGGGAGAGCTTGGAAAAGTGTCTCCACCCTCCACCTCGCAGCCACTC
 CTTCCAGGGTCTGAACACCAGATGCAATCTCTCTCACCAGATATGGCCCTGGGAAGATATACCAGGTGA
 CAAGCAACATCAATGGCACTGGGACCCTGGACCTGACACTGCCTCGGGGCCAAATCGTGGCCCTTCTACA
 AAACAAGGACACCAAAGCAACAACAGTCGCTGGCTGGTAGACACAGGGGGACACCGGGGATACGTGCCA
 GCTGGAAAACCTCAGCTATATCACCTATCAATCCAGTGAAGAGGCCAGACGCCAGACAGGGATGC
 CTGAAGACTACTGGCTTCCAACCCAGAGCCACCCAACCTCTGTCCCCACTGTCCCGACCATGAGCCA
 GGTGGTGGCCGTGTACCCTTTGTGGCCAGGAGACCCACGAGTTGAGTCTACAGGCAGGCCAGCCTGTG
 ACCATCTGGAAGCCCAAGACAAGAAGGGGAACCCAGAATGGAGCCTGGTGAAGCAAACGGACAGAGGG
 GATATGTACCTTCCAACCTTCTGGCCAGGACTCCGAGTCCAACCTCCCGGGGCTGGAATCTTCCCTCTTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100974
- Insert Size:** 2031 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_001100974.1](#), [NP_001094444.1](#)

RefSeq Size: 4489 bp

RefSeq ORF: 2031 bp

Locus ID: 307398

UniProt ID: [A1IGU3](#)

Cytogenetics: 18q12.1

Gene Summary: May act as a guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]