

Product datasheet for **RN201428**

Arhgap45 (NM_001108067) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arhgap45 (NM_001108067) Rat Untagged Clone
Tag: Tag Free
Symbol: Arhgap45
Synonyms: Hmha1; RGD1308662
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN201428 representing NM_001108067
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGTTCTCTCGGAAGAAGCGAGAATTATGAAACTCCCTCTATTTCCAAAAGAACCAGCGGGGAGCC
 CCAACCCGAGTCTCTCAGGGGAGCTGCCTCGGAAAGACTGTACAGAACTCTAGCCTGGAGCCACC
 AGCCATGTCCCTGTCCACGGTGGCCAAGGGCACAGGAACACTCAAAGGCCAACAGCCTGAGCCGCAT
 GCCAGCGCTGCAGGCTTCCCACTCTCGGGCACTGCCACACGGACTCTGGGCCGTGGATATCGAAGCCCC
 TCTCTGCTGCCAGCCCCGAGAGCTACCACTGAGGGACCTTTCCCTGACGGTGTAGAAGACATCTCAAC
 CCTGCTGGCTGATGTTGCCCGCTTTGCTGAGGGCTTGGAGAAGCTCAAGGAGTTTGTGCTGCGGGATGAT
 CTCCTTGAGGCCCGCCGCCCTGGCTCATGAATGCCTGGTGAAGCTCTGCGAGTATGCGTCAGGTCA
 TCTCAAATACCACTCCTGAACACCGTGGAGACACTCACAGCTGCTGGTACACTCATTGCCAAGGTCAA
 AGCCTTTCATTATGAATGCAACAATGAATCAGATAAGAGGGAGTTTGAAGGCACTGGAGACCATTGCT
 GTGTCCTCAGCTGCACTGTGTCGGAGTTCCTTTGGTGAAGTGGACAGCAGTACACTCTGGCTGTGC
 CTCGGGGGACCCTAGCCAGTTGGTGGAGAACCCTTTATGGTCAAGCAGTGGAGGGCCCCACACAGCGT
 GGAGGATTGTGAAGAAGGTTGCCTGCCCGAGGAGTGGACATGCTTCTCAGCGCTGCGAGGGAGGT
 GTGGACCCGCGCTGCAGTATGCAAAAGACATGGCCAGGTACATGAAGGACCTCATCGGCTACCTGGAGA
 AGAGGACCACCCTGGAGATGGAATTCGCAAAAGGGCTGCAGAAGGTCGTCCATAACTGCAGACAGAACGT
 CACTCATGCGCCCCACATGCCTCTTTATCCATCTACTACTGGCCCTGGAACAAGATCTGGAGTTTGGC
 CACGGCATGGTGCAGGCAGTGGGCACGCTGCAGACCCAGACCTTCATGCAGCCCCGACCTGCGCGGT
 TGGAGCATGAGAGACGCAGGAAGGAGATCAAAGAATCCTGGCATCGTGCAGAGGAAGCTGCAAGAGGC
 AGAGGCCAACCTGCGCAAGGCTAAACAGGGCTACAAACAACGTTGTGAAGACCACGACAAGGCCCGGCTC
 CAGGTGGCCAAGGCTGAGGAGGAACAACAGGGCACAGGGCCAGGAGCAGGACTGCAGCCTCAAGGCC
 TGGACAAGAGGGCGGAGGCTGGAGGAAGAGGCCAAAACAAGGCCGAGGAGGCCATGGCCACTTACCGCAC
 ATGCGTGGCAGATGCAAGACACAGAAGCAAGAGCTGGAGGACAAAAGTGACTGCGCTGCGACAGATC
 CAGGAGTTCATCAGACAGAGTATCAGACCATTAAGTCGGCCACCATCTCTACTACCAGCTGATGCACA



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TGCAGACAGCGCCGCTGCCTGTGAACTTCCAGATGCTGTGCGAGAGCAGCAAATATATGACCCGGGCCA
 ACAGTACGCATCTCACGTGCGTCAGCTGCAGCGAGGCGAGGAGCCGGATGTGCGCTACGACTTTGAGCCT
 TATGTCTCCACCAATGCCTGGTCCCAATCATGCGAACACGGAAGGGCAGCTTCAATCCTGGTGACGCTT
 CAGGACCCGAAGCTGCCGGCAGTCCCCGGAGGAAGGTGGCACGTCTGAGGGGGCTCCCAACAAGGACCA
 CAGGGGGGACAGGTCATCAGGTACATAAGTCTGGCCTATCTCCATCTCAGACACCGAAGTCAGCCTG
 GACGTGAGTACAGGAAGCTGGCTTGGTCGCCTCCGCTTTTGATTGAGTACCTCAATGGCATGGATCC
 AGCTGGTAGATCAGGAAGCTGGCTTGGTCGCCTCCGCTTTTGGTTCAGTACCTCAATGGCATGGATCC
 CGAGTTACCTGTTGCCATGCCAGTGGACCCTCCGCCATGTGGGATTGTCCAAGGCAGCCCGCACACAC
 CGACTTCGCAAGCTGCGAACCGCGGCCAAGTGCAGAGAGTGAACAGCTACGTGTACTTCCAAGGGGCCG
 AATGTGAAGAGTGTCTGGCTTGTCAAAAAAGTGTGGAGACCCTGGCTATCCAGTGTGGTCAAAA
 GAAGCTTCAGGGCCGCTGCAGCTGTTGGTCAAGACTTCAGCCAGGCAGCCACAGCACCCCTGATGGG
 GTGCCCTTATTAAAAAGTGTCTGTGAGATTGAGCGCGGGCAGTGCACACTAAGGGGATCTACC
 GGGTCAACGGCGTGAAAACGCGTGTGGAGAAGCTGTGCCAGGCCCTTGGAAATGGCAAAGAGCTGGTGA
 GTTGTACAGGCCTCACGCACGACATAAGCAATGTCTGAAGCTGTACCTACGGCAGCTGCCGGAGCCC
 CTCATCTTTTTCGCTTCTACCATGAGCTGGTGGGATTAGCTAAGGACAGCCTAAAGGCAGAGGCCGAAG
 CCAAGGCAGAAAGCCGGGGCCGCGAGGACGGTCCGAGAGTGAAGCTGCGACCTTGGCCATGGTGGGCCG
 CCTGCGAGAGCTCATGCGGGACCTGCCAGCCGAAAACCGGGCCCACTCTTATACCTGCTGAGGCACCTG
 CGAAGGATCGTGGAAATGGAGCAAGATAACAAGATGACCCCGGGAACCTGGGCATCGTTTTCGGGCCCA
 CACTGTGCGGCCCTCGGCCACAGACGCCACCGTGTCCCTCTCTCTGTTGGTGGACTACCCACAGGC
 CCGTGTATTGAGACTCTGATTGTCCACTATGGCCTGGTCTTTGAGGAGGAGCCAGAAGAAGCAGCTGGC
 AGCCAAGAGGGGGCGTCCGCCAGTGTGCCAGCTGGAGACTGCTGAGGGCATTGCTTCCCCAGCAGG
 AGGAGGGGACGATGGAACCGAGAATCCAGGTGGCATCCAATGACTCAGACTCAGAGCTGGAAGAGGC
 TTCTGACCTCCTTTCGTCTCGGACGCCAGCCCTGCACCCCTCAGTTTCTGGAGCAGACCCGAGGCA
 GGCTGGAGGAAGGTCCCAGAGCCACAGTGGCAGTGAGGAACAGCTGGAGAGTGAAGTGCAGCCCCAG
 GCCATCAGCTGTCTTCAACACCAACCAGTCCAACACACACACAAGCCTCTGCCCACCATGCG
 ACTCCGAGATGGGCAGATCACAGGTGGCAGCGGTGGAAAGCGGCAGCCACAGTTGTCTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001108067
- Insert Size:** 3351 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_001108067.1](#), [NP_001101537.1](#)

RefSeq Size: 3891 bp

RefSeq ORF: 3351 bp

Locus ID: 314618

Cytogenetics: 7q11