

Product datasheet for MC204829

Arhgap45 (NM_027521) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap45 (NM_027521) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgap45
Synonyms:	6330406L22Rik; AW539505; Ha-1; Hmha1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC053750

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>BC053750
CCCAGGTCCCTTGACCACGTAAGCTTCTGTCCTCCATACATTACTGAGCAATGTGTGTCTGTGGGA
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CCACATGAACTCAATTTTCTTGAAATAAACTTCTTAACCAACTGCAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_027521
- Insert Size:** 3003 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:** [BC053750](#), [AAH53750](#)
- RefSeq Size:** 3558 bp
- RefSeq ORF:** 3003 bp

Locus ID: 70719

UniProt ID: [Q3TBD2](#)

Cytogenetics: 10 C1

Gene Summary: Contains a GTPase activator for the Rho-type GTPases (RhoGAP) domain that would be able to negatively regulate the actin cytoskeleton as well as cell spreading. However, also contains N-terminally a BAR-domain which is able to play an autoinhibitory effect on this RhoGAP activity.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) has an alternate 5' sequence, as compared to variant 1. The resulting isoform (2) has a shorter and different N-terminus, as compared to isoform 1.