

## Product datasheet for **MC221714**

### Arhgef6 (NM\_152801) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgef6 (NM_152801) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arhgef6
Synonyms:	1600028C08Rik; 1700038J06Rik; 4930592P22Rik; alpha-PIX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221714 representing NM\_152801  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCAATCACGGATGTGGCTTAGTCTTACAGCTGCCCGAGAGCTGTTTCAGAGCGTCCGAGAGCCTCAG  
 TCATGAATCCAGAAGAAGCCTTGTGACATGGCTTATATCTTTGGGAGTTCTAGAGTCTCCCAAAAAGAC  
 TGCTGTGATCCAGAGGATTCTTGAAGTCTCGCTGAAAAATGGGGTAGTGTGTGCAAACTATAAAC  
 AGACTTCTGCCTGGCTCGGTGGAGAAGTATTGTCTGGAACCCCAAAGTGGAGGCGACTGCATCGACAACA  
 TCAATGACTTCTGAAAGGATGTGCAACTCTTCAAGTGAAGTGTGTTGAGCCTGATGACCTCTATTCGGG  
 GGCCAATTTCTCCAAGTTCTGAATACTCTTTAGCTGTCAACAAAGCAACTGAAGATCAGCTCTCAGAA  
 AGACCATGTGGAAGTCTCTTCTTCTTAGTGTGCGACCAGCTCTCAGACAAACCCGAGGTGGCCGTTCC  
 CAGCACAGCTCCAGAGCAGCACAGCGAGGAAAAGGCAGAGATGACGGAAAATGGAAGTACCAGTTGAT  
 AGTAAAGCAAGATCAACTTCAAGCAGACGAATGAAGATGAATTGTCAGTGTGTAAGGGGACATCATT  
 TATGTCACACGAGTTGAAGAAGGAGGCTGGTGGGAAGGCACATTAATGGGAGAAGTGGATGGTTCCCTA  
 GTAATTATGTCGAGAAAATTAACCCAGTGAGAGACCTCTGTCCCTAAGGCTATCAAAGGATTTGACAC  
 TGCTCCACTTACCAAGAATTACTACACTGTGGTGTACAGAACATCTTGGACTGAAAAAGAATATGCC  
 AAAGAAGTTCAGTCTCTTCTTGTACTTACCTAAGACCCTTGAGTCTAATAACAACCTGAGTACTGTGG  
 AGTTTACATGTTTATTGGGAACTTTGAAGAAGTATGCACATTTCAACAGACTCTGCCAAGCCTTGGAA  
 AGAATGTTCAAAGTTCCAGAAAACCAACAAAGTAGGAGGCTGCCTACTGAACCTCATGCCTCATTTC  
 AAATCGATGTACCTGGCTTACTGTGCAATCATCCATCAGCTGTCAACGTGCTCACCCAGCACAGTGATG  
 ATCTGAAACGATTCAATGAAAAATCAAGGTGCATCCAGCCCGGGTATCCTCATTCTAACAACAAGTCTCAG  
 CAAACCATTTCATGCGACTGGAAAAGTATGTTACTCTCTTGAAGAAGTGGAAACGACATATGGAGGACACT  
 CATCCAGACCATCAGGATATTCTGAAAGCAATCATAGCATTCAAAAACACTCATGGGGCAGTGTCAAGATC  
 TGAGAAAGAGAAAAGCAGCTGGAATTGCAGATCCTTTCAGAACCTATTGAGGATGGGAAGGAGATGATAT  
 TAAGACTTTGGGAAATGTGATCTTTATGTCTCAAGTAGTGTGATGCAGCATGGGGCCTGTGAGGAGAAAAG  
 GAACGATATTTCTGCTGTTTTCAAGTGTCTTGATAATGTTGTCTGCAAGTCTCGGATGAGTGGCTTTA  
 TGTATCAGGGAAAATACCAATAGCAGGGATGGTAGTGAACAGATTGGATGAAATGAAGGCAGTGACTG  
 TATGTTCAAATCACAGGTAGCACGTTGAGAGAATTGGTCCATTGCAACAATAACCAGGACTCCAG  
 GAGTGGATGGAGCAGCTGAACAGACTGACCAAAGGACCAACCTCTGCGGTTTATTGCTAAGACCTCCT  
 CCTCATCATGTAGTACTATTCTTCTTTAGCTCTACCGACAGCCCGAGGACCCTTGGAGCCTCCTCA  
 AATTATAAAAACCGTGGAGTTAAGTTGCTACGACCTGCACCTCACTTAGACCATCAGCAGCACTAGGT  
 TATAAAGAGAGGATGTCTTATATCTTAAAGGAATCTAGTAAGAGCCCCAAAACAATGAAGAAGTTTCTTC  
 ACAAAAAGAAAGACGGAGAGGAAAGCATCCGAGGAAGAATACGTGATTAGGAAAAGTACTGCTGCCCTGGA  
 AGAGGATGCTCAGATTCTTAAGGTGATCGAAGCTTATTGCACCAGCGCCAGTTTTCAACAAGTACTCGT  
 AAAGATTCTGTTCCACAAGTTCTACTCCCCGAGGAAGAGAACTCATTATTGAAGAAACCAGAAGTAATG  
 GGCAGACCATCATTGAAGAGAAGAGCCTTGTGATACTGTCTATGCCTTGAAGGATGAGGTCAAGGAACT  
 GAAGCAGGAGAAATAAAAAATGAAGCAATGTCTGGAAGAAGAATTGAAGTGGAGGAAAGACCTAGAGAAG  
 CTGGTCCGGAAGCTGTTGAAACAAACAGATGAATGCATTGATCTGAATCCAGCAGCAAGACCTCGATTC  
 TCCAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_152801  
**Insert Size:** 2388 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_152801.2</a> , <a href="#">NP_690014.2</a>
<b>RefSeq Size:</b>	4580 bp
<b>RefSeq ORF:</b>	2388 bp
<b>Locus ID:</b>	73341
<b>UniProt ID:</b>	<a href="#">Q8K4I3</a>
<b>Cytogenetics:</b>	X A6
<b>Gene Summary:</b>	Acts as a RAC1 guanine nucleotide exchange factor (GEF).[UniProtKB/Swiss-Prot Function]