

## Product datasheet for MR220162

### Arhgef10l (NM\_001112723) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arhgef10l (NM\_001112723) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Arhgef10l  
**Synonyms:** 2810441C07Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR220162 representing NM\_001112723  
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGGATCGCC**

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**Protein Sequence:** >MR220162 representing NM\_001112723  
 Red=Cloning site Green=Tags(s)

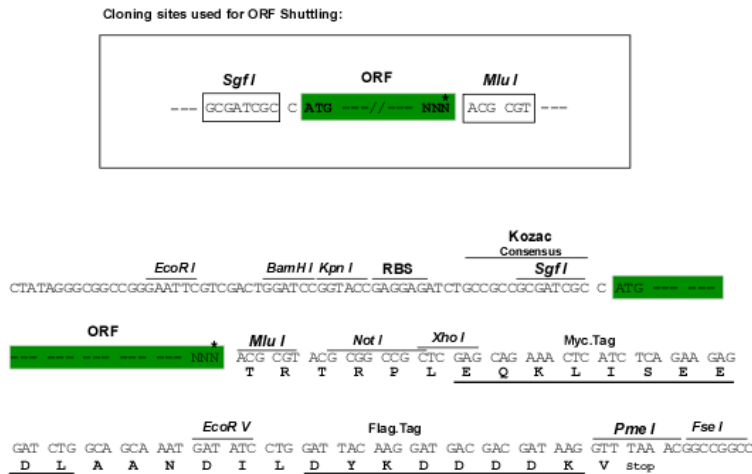
MASSNPPQPAIGAPLAPSAGPSPPEVEEDSGEAFEFDDSDDEEDTSSGLVVPGLAPERDTEPSLICFDI  
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 VDTGTQCLATCKSPGPQVLC LRHSPFYLLAGLQDGLAAYPRTSGDI PWDL E SPPMCITV  
 GPGPIRLLSLEDAAWASCGRVTVLDAATLQTQQSFEAHQDEAVSVTHMVKAGSGV WMAFSS  
 GSSIRLFHTETLEHLQEINIATR TFFLLPGQKHLCVTSLLICQGLLWVGTDQGVIVLLPVPR  
 LEGIPKITGKGMVSLNGHC GPVAVFLAVAM SILAPDILRSDQEEAEGPQAEEDKPDGQAHET  
 VPGPDSHTARELTRKKGILLQYRLRSTAHLPGPLL SVREPAPADGSALEHSEEDGSIYEMADDP  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

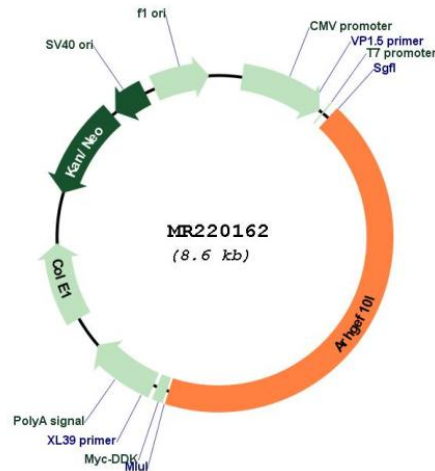
SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001112723

ORF Size: 3708 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001112723.1](#), [NP\\_001106194.1](#)

RefSeq Size: 4408 bp

RefSeq ORF: 3711 bp

Locus ID: 72754

UniProt ID: [A2AWP8](#)

Cytogenetics: 4 D3

**MW:** 135.2 kDa

**Gene Summary:** Acts as guanine nucleotide exchange factor (GEF) for RHOA, RHOB and RHOC.  
[UniProtKB/Swiss-Prot Function]