

## Product datasheet for **MR230515**

### Arhgap25 (NM\_001286610) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap25 (NM_001286610) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap25
Synonyms:	A130039I20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230515 representing NM\_001286610  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTATCTGCCAGGCAGTACAGTCAAAGAAATTGCCACAAACCCGAAGAAGCTGGGAAATTTGTCTTTG  
 AAGTTATTCCAGCCTCAAGTGACCAGAACCGCATTGGACAAGACTCCTAGTCCATGGCCAGCTCCCA  
 GGTAGAGATGGAGGAGTGGGTTAAGTTCCTCAGGAGAGTTGCTGGCACGCCCTCTGGAGCGGTGTTTGGC  
 CAGCGTCTGGATGAGACTGTGGCCTATGAGCAGAAGTTTGGCCCTCACCTGGTGGCCATCTTGGTGGAGA  
 AGTGGCGTGAGTTCATCCTGGAACATGGTGTGAGTGAAGAGGGCATCTTCCGCCTGCCGGGCAGGACAA  
 CCTTGTGAAGCAGCTGAGAGATGCTTTCGATCGGGGGAGCGGCCCTCTTTGACAGGGACACAGATGTG  
 CACACGGTGGCATCTCTACTAAGCTCTACCTCCGAGACCTGCCAGAGCCTGTGGTTCCTGGAGTCAGT  
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 GCAGCTTCTACCTTCCCGAGACAACATAACCTCCTGAGCTACATCTGCAGATTTCTGCATGAAATC  
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 GGTCTGAAGGTTGAAGACCCAGCTGTGATTATGAGAGGGACTCCTCAGATCCAAAGAGTGATGACCATGAT  
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 GATGCCAAGAAGGCTCCAGTGCCGCAAGCTCTGTGGGTGGGATGCCACGGAAGACCCACCCCTTCTA  
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 CCAGCATCAGGAAGACAGCGGAAAAGCCCCAGGAAAACCCAGGAGACTGGAAGATGCAATCCCGTAAA  
 AGGACTCAAACGCTTCCAACCGAAGTGTTCCTGACGTCGCCATTCCAAGGCACCACAGCAGTAAAC  
 TGGAAATCTTAAAAATGAGTTCTGGTCTCCATCTCAGAGGCTAAGGCAGGAGAAGGGCACAGGCGAAC  
 TATGTCCCAAGACTTGCGCCACCTTCCAATGACCAGCGGACTTCTACCTACGATAATGTCCCCACCTCA  
 CCACAGTCCCAAGGAAACCCAGCAGGTGCACTCTCTCCCTGCCAGTACTCCAAGAGAGATGCTCTTG  
 TTAGCACAGACTCTGAAATGGAGGCTGGAAGCAAGAACTTGGCGAGGATGACCTTGATTCTCTGCAGAG  
 GACAGTCCAGAGCCTACAGAAGGAAATAGAAACCCAGAAGCAGGTCTATGAGGAACAGATTA AAAACCTG  
 GAGAAGGAAAATTACGATGTCTGGGCTAAGGTGGTGAAGGCTCAATGAAGAACTCGAGAGGGAGAGGAAGA  
 AATTCCGGCCCTGGAATCAGCCTTCGAAATGTGGAGCGCTCCCGGAGGACGTTGAGAAGAGGAACAG  
 AGTCTTGAAGAAGAAGTCAAGGAGTTTGTGAAGTCGATGGAGAAGCCCAAGACAAGACGGATCCT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

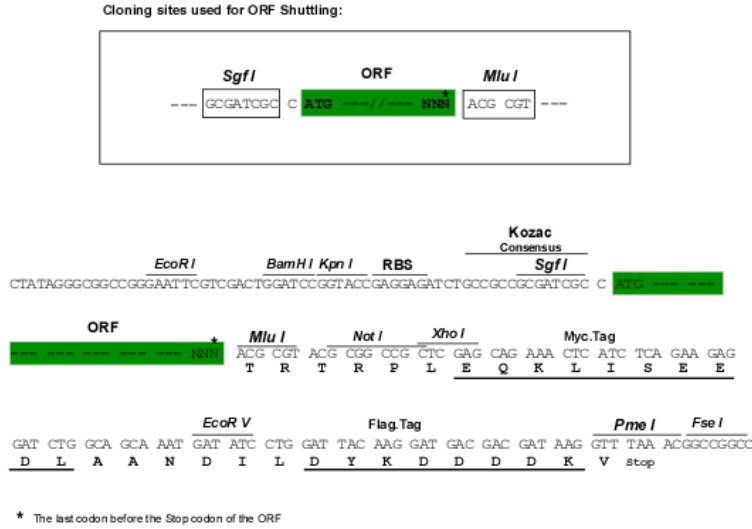
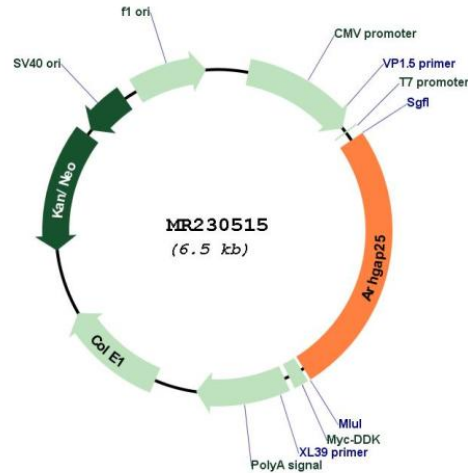
>MR230515 representing NM\_001286610  
 Red=Cloning site Green=Tags(s)

MYLPGSTVKEIATNPPEEAGKFVFEVIPASSDQNRIGQDSYVLMASQVEMEEWVKFLRRVAGTPSGAVFG  
 QRLDETVAYEQKFGPHLVPILVEKCAEFILEHGVSEEGIFRLPGQDNLVKQLRDAFDAGERPSFDRD TDV  
 HTVASLLKLYLRDLPEPVVWWSQYEGFLLCGQLMNADEAKAQQLVKQLSTLPRDNYNLLSYICRFLHEI  
 QLNCAVNMMSVDNLATVIGVNLIRSKVEDPAVIMRGTPQIQRVMTMMIRDHEVLFPKSKDAPISPPAQKN  
 DAKKAPVPRSSVGWDATEDPPLSRTDSFSNTASSPDATSPTGPLPSDQHQEDSGKAPRENPGDWKMQSRK  
 RTQTLPNRKCFLTSAFQGTSSKLEIFKNEFWSPSEAKAGEGHRRTMSQDLRHLSDNQRTSTYDNVPTS  
 PQSQGNPAGALSPASDSKRDALVSTDSEMEAGSKNSGEDDLDSLQRTVQSLQKEIETQKQVYEEQIKNL  
 EKENYDVWAKVVRLNEELERERKKFAALEISLRNVERSREDVEKRNRLVEEVKEFVKSMEKPKTKTDP

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:****Plasmid Map:**

<b>ACCN:</b>	NM_001286610
<b>ORF Size:</b>	1677 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001286610.1</a> , <a href="#">NP_001273539.1</a>
<b>RefSeq Size:</b>	3495 bp
<b>RefSeq ORF:</b>	1680 bp
<b>Locus ID:</b>	232201
<b>UniProt ID:</b>	<a href="#">Q8BYW1</a>
<b>Cytogenetics:</b>	6 D1
<b>MW:</b>	63.3 kDa
<b>Gene Summary:</b>	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]