

Product datasheet for **MG206772**

Arhgap8 (NM_028455) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap8 (NM_028455) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arhgap8
Synonyms:	3110043J09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206772 representing NM_028455 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGCTGGACCCCACTGAGCACAAGTACCCATTCTATGATGTGGCCAGACACGGCATCCTGC
AGGTGGCAGGGGATGACCGCCAGGGGAGACGCATCTTCACTTTCAGTGCTGCCGGCTGCCACCCTTGCA
CCAGCTCAACCACCAGCGCCTGCTGGAGTATCTGAAGTACACACTGGACCAGCATGTGGAGAACGACTAT
ACTATTGTCTACTTTCACTATGGCCTCAGCAGCCAGAACAACCATCCCTAGGCTGGCTCCAGAACCT
ACAAGGAGTTTGACCGGAAGTACAAGAAGAACCTGAAGGCACTGTACGTTGTACACCCACCAGCCTCAT
CAAAGCACTGTGGAACATCTTCAAGCCCTCATCAGTCACAAGTTTGGGAAAAAAGTCACCTACTGCAGC
AACCTGCGTGAGCTCCGAGAACACCTTCAGTGCGACCAGCTGCTCATCCCCCGGAAGTAGTGCGGTATG
ACGAGAAACTGCAAAACCTGCACAAAGGTCAACCGCCCCCGCCACCAAGACACCGCCACCTCGGCCGCC
TCTGCCACCCAGCAGTTTGGCGTCAGCCTGCAATACCTCAGAGACAAAAATCAAGGTGAACTCATCCCC
CCGGTGTGCGTTGGACGGTGACATATCTGAGAGAAAAAGGACTGCGCACTGAGGGCCTGTTCCGGAGAT
CGGCCAGCGCCAGACTGTCCGTCAAGTGCAGCGGCTATATGATCAAGGGAAGCCCGTGAACCTTTGATGA
TTATGGAGACATGCACCTCCCAGCCGTGATCCTGAAGACATTTCTCCGAGAGCTGCCACGCCACTGCTG
ACCTTCCAAGCCTACGAGCAGATTTCTCGGATCACCAGTGTGGAGAGCAGCCTTCGAGTGACCCACTGCC
GCCTGATCCTGCGGAGCCTCCCAGAACAACAATGCCGTAACCTACCTCATGGGCTTCTGTCATGA
AGTGTCTCTGGAGAGCATTTCAAACAAGATGAACAGCTCTAACCTGGCGTGCGTGTGGATTGAACTTG
ATCTGGCCATCCCAGGGGTGGCTTCCCTGAGCGCCCTGGTACCTCTGAACTTGTTCACAGAGCTGCTGA
TAGAGTACTATGACAAAGTCTTCAGTTGCCAGGAGGCCCTGGGGAGCACACCCGGGATACTGTGGAAGT
ACAGCAGGCTGGCCCTGTTACCAAAGAATTTATGAAGACGGGCACTCCCCGGCCTCACCATACCTGTCC
CGCTCCGTATCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206772 representing NM_028455
 Red=Cloning site Green=Tags(s)

MAGLDPTLSTSHPFYDVARHGILQVAGDDRQGRIFTFSCCRLPPLHQLNHQRLLELYKTYLDQHVENDY
 TIVYFHYGLSSQNKPSLGLWLNQTYKEFDRKYKKNLKKALYVVHPTSLIKALWNIKPLISHKFGKKVTYCS
 NLRELREHLQCDQLLIPPEVVRVYDEKLQNLHKGQPPPTKTPPPRPPLPTQQFGVSLQYLRDKNQGELIP
 PVLRLWTVTYLREKGLRTEGLFRRSASAQTVRQVQRLYDQGKPVNFDDYGDMLHPAVILKTFRLRELPOPLL
 TFQAYEQILGITSVESSLRVTHCRLILRSLPEHNYAVLRYLMGFLHEVSLSESISNKMSSNLACVFLNL
 IWPSQGVASLSALVPLNLFTELLIEYYDKVFSCEAPGEHTRDTVEVQQAGPVTKEFMKGTTPRASPYLS
 RLRIS

TRTRPLE - GFP Tag - V

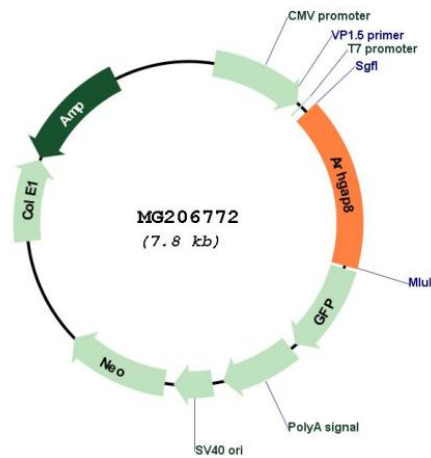
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_028455

ORF Size:	1536 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:	<ol style="list-style-type: none">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_028455.4 , NP_082731.2
RefSeq Size:	1485 bp
RefSeq ORF:	1278 bp
Locus ID:	73167
UniProt ID:	Q9CXP4
Cytogenetics:	15 E2
Gene Summary:	GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state.[UniProtKB/Swiss-Prot Function]