

Product datasheet for **RG215970**

ARMH4 (NM_001001872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ARMH4
Synonyms:	C14orf37; c14_5376; UT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG215970 representing NM_001001872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGAGGACCGATTGTATTGCACATTTGTCTGGCTTTCTGTAGCCTTCTGCTTTTCAGCGTTGCCACAC
 AATGTCTGGCCTTCCCCAAAATAGAAAGGAGGAGGAGATAGCACATGTTTCATGCGGAAAAAGGCGAGTC
 CGATAAGATGAACACCGATGACCTAGAAAAAGCTCTGTTACCTCAAAGCAGACTCCCCAACTGGTGGTC
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 AGGTGTCCCTCAGCTGAAGAAGTATTGGTTCCAGCCAGCCAGAGAGAATATCTCCTGAAAAGTGGACTT
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 CTTCTTTTCTGGTGTGAGTCCACAGCAGGAGTGAAGCCTCACCCTGATAAGGAGAAGCC
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 GAGCCTTGTTCATCTGGGAGCCCTCTACAGCATTAAAGTTATGAATCGCCGAAGGAGAAATGGCTTCAA
 AAGGCATAAAAGAAAGCAGAGAGAATTCAACAGCATGCAAGATCGAGTAAATGCTCTTAGCCGACAGCTCT
 GAAGATGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215970 representing NM_001001872

Red=Cloning site Green=Tags(s)

MRGPIVLHICLAFCSLLLFVSATQCLAFPKIERREIAHVHAEKGQSDKMNTDDLENSSVTSKQTPQLVV
 SEDPMMSAVPSATSLNKAFSINKETQPGQAGLMQTERPGVSTPTESGVPSAEEVFGSSQPERISPESGL
 AKAMLTIAITATPSLTVDEKEELLTSTNFQPIVEEITETTKGLKYMDNQSFATESQEGVGLGHSPSSYV
 NTKEMLTTPNPKTEKFEADTDHRTTSFPGAESTAGSEPGSLTPDKEKPSQMTADNTQAAATKQPLETSEYT
 LSVEPETDSLGAPEVTVSSTAVPAASALSDEWDDTKLESVSRIRTPKLGDNREETQVRTEMSQTAQVSH
 EGMEGGQPWTEAAQVALGLPEGETHTGTALLIAHGNERSPAFTDQSSFTPTSLMEDMKVSIYNLLQSTGD
 FTESTKENDALFFLETTVSVSVESEADQLLGNTMKDIIITQEMTTAVQEPDATALSMVTQEQVATLELIRD
 SGKTEEEKEDPSPVSDVPGVTQLSRRWEPLATTISTTVVPLSFEVTPVVEEQMDTVTGPNEEFTPVLGSP
 VTPPGIMVGEPISIPALPALEASSERRTVVPSITRVNTAASYGLDQLESEEGQEDEDEDEDEDEDEDE
 EEEDEEDKDADSLDEGLDGDTELPGLTLPGITSQEPGLEEGNMDLLEGATYQVPDALEWEQQNQGLVRSW
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 EDEF

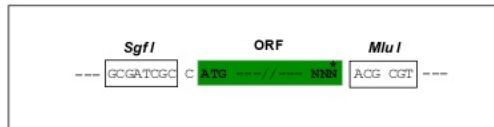
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

HindIII NheI RsrII MluI NotI XhoI GFP Tag

CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC - - - -

T R T R P L E M E S D - - - -

PmeI FseI

- - - GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT

- - - E E R V Stop

ACCN:

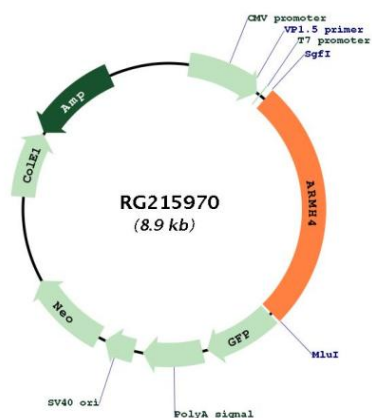
NM_001001872

ORF Size:

2322 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001001872.4
RefSeq Size:	3082 bp
RefSeq ORF:	2325 bp
Locus ID:	145407
UniProt ID:	Q86TY3
Cytogenetics:	14q23.1
Protein Families:	Transmembrane

Product images:



Circular map for RG215970