

Product datasheet for **RG219151**

ARMH3 (NM_024541) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ARMH3
Synonyms:	C10orf76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG219151 representing NM_024541
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCACAGGTAGAGAAACGTGGAGGTTTGTCTCCGAAATCTTCAGCCTCCAAAAACCACTGAAGGAAA
 AAGTGGTGCTGATGTATGATGAGATCTTCATGACAGAGGACCCAGTAAGTGCAGTCCCTCGGTTTTGGGA
 GGAGCTCTTCTCATGAAGGTGAATTTAGAGTACCTAGAAGGCAAGCTGGAATCTCTTGATGGTGAGGAG
 TTAATGAAGATCAAGGACAATATTAATTGCTTATTCCAACACTGCATCCAGGCTCTGGGAGAGGAGCATC
 CAATTGCGGTTGTCAATGCATTGCAGACCTGTGCGCACTCATTGAGGAGTCCATCAAAAGAATAAGTC
 TACCTCTGGGTTTGACATTATCAACATGCTGATGGGCTTTGACAAGGCGGAGCTGTGCATGAAGAACTTG
 ATGGAGAGTTTGGATTCTTGTCTTGTGAGAAGGTTCTGAAAGTCTGAAGAGTTTATGTCTGAAACTTC
 TCCTTTGCTTAGTGACCGTGACAGATAACATCAGCCAGAACACTATTCTCGAGTATGTAATGATCAACAG
 CATATTTGAAGCAATTTTACAGATACTTTCCATCCCCAAGTCGAGGAGCATGGGTATGATGCTGTC
 GTCCTCTTGCTTTGCTGGTGAACATAGAAAATATGAGTCTGTGAATCCTTATATTGTGAAGCTGTCTA
 TCGTGGATGATGAGGCCACACTCAATGGAATGGACTTGTAATTGCTCAGGCTTTATCTGAGTACAACAG
 GCAGTATAAAGACAAGGAAGAAGAACCAAGTGTTTTTCTCTGCTTTAACAAATATGGTGGGCAGC
 ATGTTTCATAGCAGATGCCCATGAGAAAATCTCAGTACAAACCAATGAGGCCATTCTCTGGCACTTTATG
 AAGCTGTTCAATTTAAATCGCAACTTCATCAGTATTAGCTCAGAGCCATCCAGAAATGGGCTTGGTGAC
 GACCCCTGTGAGTCTGCTCTACAACCCAGTCACACCACTTGGGACCACACCGCCTTCTCTGATGTT
 ATAAGTTCTGTGGAACCTCCACTGGATGCAGATGTACAGACCAAGTAACTACTGATAACCTTTTTAAAGT
 ATAGCTCAATTGTGATGCAGGACACCAAGATGAACACAGGCTTACAGTGGCAAACTCTGTCTGATTAT
 CCTTACATGTATTGCAGAGGATCAATATGCCAATGCATTTTTCATGATGACAACATGAATTTTCGAGTA
 AACTTACATAGAATGCCTATGAGACACAGGAAGAAGGCAGCAGACAAGAATCTTCCCTGCCGCTCTTTAG
 TATGTGCACTAGGACCTGATGGTAGAGTTTATTGTAACACATGATGAAGGAGTTTCTATGGATCT
 CTATATACGCTGCATCCAGTAGTACAAAATGCTCTGCTACCAGAAGAAGTGTGGGTACGCTGCAT
 TACACCTGGCGGGAGCTCTGGTCAGCCTTGATAAATTTGCTGAAAGTTCTTATGTCAAATGAGACTGTAC
 TTTTGCCAAACACAACATTTTACATTAGCCCTTATGATTGTGAACCTATTTAATATGTTTATCACATA
 TGGCGACACATTTCTGCCAACCCAGCAGCTATGATGAACCTTACTATGAGATTATCCGCATGCACCAG
 AGCTTTGACAACCTCTACTCCATGGTCTGAGGCTTTTACCAATGCAGGCCAGTGAAGGAAGCAGCTA
 GCAAGGTGACCCATGCATTGGTTAATATCAGAGCCATCATCAACCACTTTAACCCCAAAATGAGTCCTA
 CGCTGCTGTGAATCACATATCCCACTGTGAGAGGAGCAGGTGCTGGAGGTGGTGAAGGCCAACTATGAC
 ACGCTCACGCTGAAGCTGCAGGATGGCCTGGACCATGATGAGCGCTACTCAGAGCAGACAAGGAAGCTG
 CCTTCTTCAAAGAGCTGGTTCGATCCATTAGCACCAACGTCGGAGAAACCTGGCCTTCCACACACTCAG
 CCAAGAAGTCTGCTCAAGGAGTTCTCCACTATCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219151 representing NM_024541
 Red=Cloning site Green=Tags(s)

MAQVEKRGGLLRKSSASKKPLKEKVVLMYDEIFMTEDPSKCSPRFWEELFMKVNLEYLEGKLESLDGEE
 LMKIKDNINCLFQHCIQALGEEHPIRVVNALQTLCALIRGVHQKNKSTSGFDIINMLMGFDKAEKCMKNL
 MESLDSLLCAEGSESLKSLCLKLLCLVTVDNISQNTILEYVMINSIFAILQILSHPPSRREHYDAV
 VLLALLVNYRKYESVNPYIVKLSIVDDEATLNGMGLVIAQALSEYNRQYKDKEEHQSGFFSALTNMVG
 MFIAAHEKISVQTNEAAILLALYEAHLNRNFITVLAQSHPEMGLVTPVSPAPTPVTPPLGTPSSDV
 ISSVELPLDADVQTSNLLITFLKYSSIVMQDTKDEHRLHSGKLCILITCIAEDQYANAFHDDNMNFRV
 NLHRMPMRHRKKAADKNLPCRPLVCAVLDMVEFIVTHMMKEFPMPLYIRCIQVVKLLCYQKKCRVRLH
 YTWRELWSALINLLKFLMSNETVLLAKHNIFTLALMIVNLFNMITYGDTFLPTPSSYDELYEIIIRMHQ
 SFDNLYSMVRLRLSTNAGQWKEAASKVTHALVNIRAIINHFNPKIESYAANVHISQLSEEQVLEVVRYND
 TLTLKLQDGLDQYERYSEQHKEAAFFKELVRSISTNVRRLAFHTLSQEVLLKEFSTIS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024541

ORF Size: 2067 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.

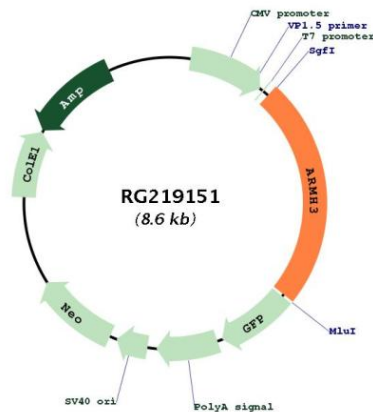
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_024541.3</u>
RefSeq Size:	4101 bp
RefSeq ORF:	2070 bp
Locus ID:	79591
UniProt ID:	<u>Q5T2E6</u>
Cytogenetics:	10q24.32
Gene Summary:	Involved in GBF1 recruitment, Golgi maintenance and protein secretion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219151