

Product datasheet for **RG202341**

ARMC8 (NM_014154) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ARMC8
Synonyms:	GID5; HSPC056; S863-2; VID28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202341 representing NM_014154
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGTAACAGCTAGCAGTCGCCACTATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTAC
AAGGTGTCATAGACATGAAAAATGCTGTAATTGGAAACAACAAGCAGAAAGCCAATCTCATTGTTTTAGG
AGCTGTTCCAAGATTGTTGTAAGTCTGCTTCAAGCAAGAAACCTCAAGCACAGAGCTGAAAACTGAATGTGCA
GTGGTGTGGGAAGTCTTGCTATGGGTACTGAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCC
CTGCCCTATTGCAAGGACTACTGTCCCAGACCTGAAGTTTATTGAAGCTTGCTCCGATGCGCTGCGTAC
CATCTTCACCAAGTCTGTCACTCCAGAGGAGCTACTGTATACAGATGCCACAGTGATACACACCTCATG
GCACTGCTTAGCAGGTCCCGCTATACCCAGGAGTACATCTGTCAGATCTTCTCACACTGCTGTAAGGGC
CAGATCATCAAAATTTTATTTAACCACGGTGCAGTTCAGAATATTGCTCACCTACTAACCTCACTGTC
CTACAAAGTTTCAATGCAAGCACTGAAATGTTTCTCAGTTTTAGCTTTTGAAAAACCCAGGTATCGATG
ACCCTGGTAAATGTTTTGGTTGATGGAGAATTGTTACCACAGATTTTGTGAAGATGTTACAGAGGGATA
AGCCTATTGAGATGCAGCTCACATCAGCAAAATGTTTAACTTACATGTGTAGAGCTGGAGCAATTCGGAC
AGATGATACTGTATTGTATTAAGACATTACCTGTTTGGTTCGAATGTGCAGTAAGGAGAGATTACTA
GAGGAGAGAGTTGAAGGAGCTGAGACACTTGCCCTATCTGATTGAACCAGATGTTGAGCTACAGAGAATCG
CTAGCATAACTGATCACCTCATTGCCATGCTGCTGATTATTTCAAGTATCCAGCTCAGTGAGTGCCAT
CACTGATATTAAGGCTTGATCATGATTTAAACATGCTCACGAACCTCCGCCAGGCTGCATTCAAGCTC
TATGCCTCTCTTGAGCAAATGATGAAGACATCCGGAAGAAGGTGAGTCTGGGAGAGGGCGTCCCCAG
TCCTGACAGCCAGCAGGCAGGAGTGACGTCAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



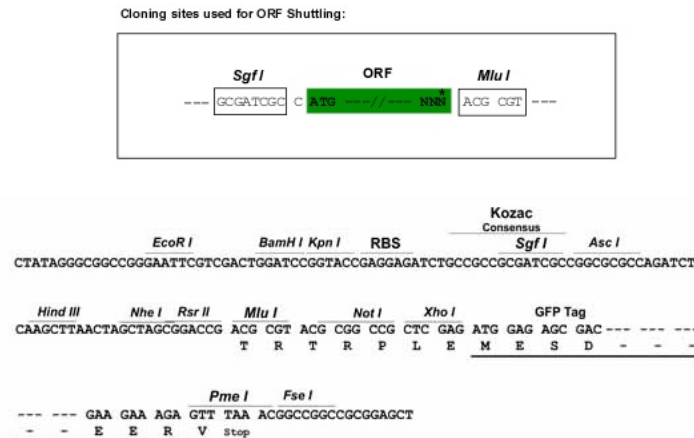
Protein Sequence: >RG202341 representing NM_014154
Red=Cloning site Green=Tags(s)

MEVTASSRHYVDRLFDPDPQKVLQGVIDMKNAVIGNNKQKANLIVLGAVPRLLYLLQQETSSTELKTECA
VVLGSLAMGTENNVKSLLDCHIIPALLQGLLSPDLKFIACLRCLRTIFTSPVTPEELLYTDATVIPHLM
ALLSRSYTQEYICQIFSHCKGPDHQTILFNHGAVQNIHLLTSLSYKVRMQALKCFSVLAFENPQVSM
TLVNVLDGELLPQIFVKMLQRDKPIEMQLTSAKCLTYMCRAGAIRTDNCIVLKTLPCLVRMSKERLL
EERVEGAETLAYLIEPDVELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHDLDKHAHELQAFAKL
YASLGANDEDIRKKVSLGEGRPVLTASRQGVST

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014154

ORF Size: 1155 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014154.4](#)

RefSeq Size: 3178 bp

RefSeq ORF: 1158 bp

Locus ID: 25852

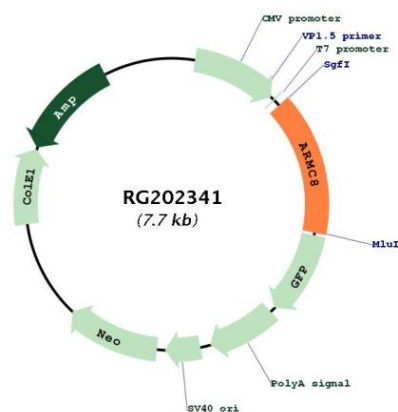
UniProt ID: [Q8IUR7](#)

Cytogenetics: 3q22.3

Domains: Armadillo_seg

Gene Summary: Component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBPI.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202341