

## Product datasheet for **RG215221**

### ARMC8 (NM\_213654) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC8 (NM_213654) Human Tagged ORF Clone
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:	>RG215221 representing NM_213654 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTAAACAGCTAGCAGTCGCCACTATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTAC  
AAGGTGTCATAGACATGAAAAATGCTGTAATTGGAAACAACAAGCAGAAAGCCAATCTCATTGTTTTAGG  
AGCTGTTCCAAGATTGTTGACTTGCTTCAGCAAGAAACCTCAAGCACAGAGCTGAAAATGAATGTGCA  
GTGGTGTGGGAAGTCTTGCTATGGTACTGAAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCC  
CTGCCTTATTGCAAGGACTACTGTCCCCAGACCTGAAGTTTATTGAAGCTGCCTCCGATGCCTGCGTAC  
CATCTTACCAGTCCGTCACTCCAGAGGAGCTACTGTATACAGATGCCACAGTGATACCACACCTCATG  
GCACTGCTTAGCAGGTCCCGCTATACCCAGGAGTACATCTGTGAGATCTTCTCACACTGTGTAAGGGC  
CAGATCATCAAACAATTTTATTTAACCCAGGTGCAGTTGAGAATATTGCTCACCTACTAACCTCACTGTG  
CTACAAAGTTCGAATGCAAGCACTGAAATGTTTCTCAGTTTTAGCTTTTGGAAACCCCGAGTATCGATG  
ACCCTGGTAAATGTTTTGGTTGATGGAGAATTGTACCACAGATTTTTGTGAAGATGTTACAGAGGGATA  
AGCCTATTGAGATGCAGCTCACATCAGCAAAATGTTAACTTACATGTGTAGAGCTGGAGCAATTCGGAC  
AGATGATAACTGTATTGTATTAAGACATTACCTTGTTGGTTGCAATGTGCAGTAAGGAGAGATTACTA  
GAGGAGAGAGTTGAAGGAGCTGAGACACTTGCCATCTGATTGATTGAACAGATGTTGAGCTACAGAAATCG  
CTAGCATAACTGATCACCTCATTGCCATGCTTGCTGATTATTTCAAGTATCCAGCTCAGTGAGTGCCAT  
CACTGATATTAAGGCTTGATCATGATTTAAACATGCTCACGAACTCCGCCAGGCTGCATTCAAGCTC  
TATGCCTCTTTGGAGCAAATGATGAAGACATCCGGAAGAAGGTGAGTCTGGGAGAGGGCGTCCCCAG  
TCCTGACAGCCAGCAGGCAGGGAGTGACGTCAACC

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG215221 representing NM\_213654  
Red=Cloning site Green=Tags(s)

```
MEVTASSRHYVDRLFDPDPQKVLQGVIDMKNNAVIGNNKQKANLIVLGAVPRLLYLLQQETSSTELKTECA
VVLGSLAMGTENNVKSLLDCHIIPALLQGLLSPDLKFIACLRLRTIFTSPVTPPELLYTDATVIPHLM
ALLSRSRYTQEYICQIFSHCCKGPDHQITILFNHGAVQNIHLLTSLSYKVRMQALKCFSVLAFENPQVSM
TLVNVLDGELLPQIFVKMLQRDKPIEMQLTSAKCLTYMCRAGAIRTDDNCIVLKTLPCLVRMCKERLL
EERVEGAETLAYLIEPDVELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHLKHAHELQAAFKL
YASLGANDEDIRKKVSLGEGRPVLTASRQGVST
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_213654

**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.

**RefSeq:** [NM\\_213654.3](#), [NP\\_998819.1](#)

**RefSeq Size:** 3232 bp

**RefSeq ORF:** 1158 bp

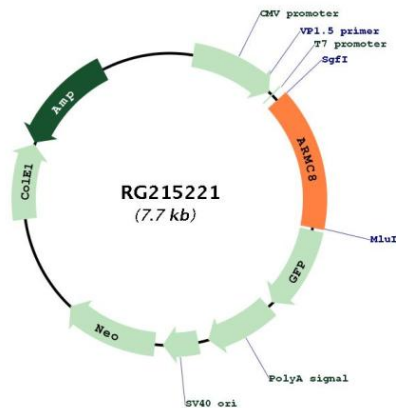
**Locus ID:** 25852

**UniProt ID:** [Q8IUR7](#)

**Cytogenetics:** 3q22.3

**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 HBP1.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG215221