

Product datasheet for **RG207532**

ARMC8 (NM_015396) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC8 (NM_015396) 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)



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ORF Nucleotide Sequence:

>RG207532 representing NM_015396
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTAAACAGCTAGCAGTCGCCACTATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTAC
 AAGGTGTCATAGACATGAAAAATGCTGTAATTGGAACAACAAGCAGAAAGCCAATCTCATTGTTTTAGG
 AGCTGTTCCAAGATTGTTGACTTGTCTCAGCAAGAAACCTCAAGCACAGAGCTGAAAACTGAATGTGCA
 GTGGTGTGGGAAGTCTTGCTATGGGACTGAAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCC
 CTGCCATTATGCAAGGACTACTGTCCCCAGACCTGAAGTTTATTGAAGCTTGCCTCCGATGCCTGCGTAC
 CATCTTCACCAGTCTGTCACTCCAGAGGAGCTACTGTATACAGATGCCACAGTGATACCACACCTCATG
 GCACTGCTTAGCAGGTCCCGCTATACCCAGGAGTACATCTGTGAGATCTTCTCACACTGTGTAAGGGC
 CAGATCATCAAACAATTTATTTAAACCAGGTGCAGTTTCAAGATATTGCTCACCTACTAACCTCACTGTC
 CTACAAAGTTCGAATGCAAGCACTGAAATGTTTCTCAGTTTTAGCTTTTAAAACCCCGATATCGATG
 ACCCTGGTAAATGTTTTGGCTGATGGAGAATTGTTACCACAGATTTTTGTGAAGATGTTACAGAGGGATA
 AGCCTATTGAGATGCAGCTCACATCAGCAAAATGTTTAACTTACATGTGTAGAGCTGGAGCAATTCGGAC
 AGATGATAACTGTATTGTATTAAGACATTACCTTGTGGTTTGAATGTGACAGTAAAGGAGAGATTACTA
 GAGGAGAGAGTTGAAGGAGCTGAGACACTTGCCTATCTGATTGAACCAGATGTTGAGCTACAGAGAATCG
 CTAGCATAACTGATCACCTCATTGCCATGCTTGTCTGATTATTTCAAGTATCCCAGCTCAGTGAGTGCCAT
 CACTGATATTAAGGCTTATGATGATTTAAACATGCTCACGAACTCCGCCAGGCTGCATTCAAGCTC
 TATGCCCTCTTGGAGCAAATGATGAAGACATCCGGAAGAAGATCATTGAGACTGAAAAATGATGGACC
 GAATTGTGACTGGCTTGTCTGAGTCTAGTGTCAAGGTGCGGTTAGCTGCCGTGAGATGTTTGCACAGTTT
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 CTCCAAGCAAAGACCAATTTTGAATCAGGAGCCGTAGAGCTACTTTGTGGATTAACCTCAGAGTGAAAA
 TCCTGCTTACGAGTGAATGGAATTTGGGCTTTAATGAATATGGCATTTCAGGCTGAACAAAAAATAAAA
 GCAGATATTTACGAAGCTTGTACTGAAACAGCTATTCCGGTTATTATCAGATTCAGATTTGAATGTGC
 TGATGAAGACATTGGGACTTCTTAGAAAATCTCCTCTCCACTCGTCCTCATATAGATAAAAATAAGTATC
 TCATGGAAGCAAATTATGCAAGCCGCTACTCTTATTCTAGAAGGGGAACATAACATTGAGGTCAAAGAG
 CAGACACTGTGCATCTTAGCCAACATAGCGGATGGGACAACAGCAAAAGATCTTATTATGACCAATGATG
 ATATCCTACAGAAAATCAAGTATTACATGGGCCATTACATGTTAACTGCAGCTTGCAGCCATGTTTTG
 TATATCAAACCTCATATGGAATGAAGAGGAAGGTTCAAGAAGCCAGGATAAATTACGAGACATGGGC
 ATCGTAGATATTCTACACAAACTGAGTCAGTCACCAGATCAAACCTTTGTGACAAGGCAAAGATGGCAC
 TGCAGCAGTACCTGGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207532 representing NM_015396
 Red=Cloning site Green=Tags(s)

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MEVTASSRHYVDRLFDPDPQKVLQGVDMKNAVIGNNKQKANLIVLGAVPRLLYLLQQETSSTELKTECA
VVLGSLAMGTENNVKSLLDCHIIPALLQGLLSPDLKFIACLRLRTIFTSPVTPPELLYTDATVIPHLM
ALLSRSRYTQEYICQIFSHCCKGPDHQITILFNHGAVQNIHLLTSLSYKVRMQALKCFSVLAFENPQVSM
TLVNLADGELLPQIFVKMLQRDKPIEMQLTSAKCLTYMCRAGAIRTDDNCIVLKTLPCLVRMCKERLL
EERVEGAETLAYLIEPDVELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHLKHAHEL RQA AFKL
YASLGANDEDIRKIIETENMMDRIVTGLSESSVKVRLAAVRCLHSLRHSVQQLRTSFQDHAVWKPMLKV
LQNAPDEILVVASSMLCNLLLEFSPSKEPILESGAVELL CGLTQSENPALRVNGIWALMNMFAQAEQKIK
ADILRSLSTEQLFRLLSDSDNLVLMKTLGLLRNLSTRPHIDKIMSTHGKQIMQAVTILEGEHNIEVKE
QTLCILANIADGTTAKDLIMTNDLILQIKIYYMGHSHVKLQLAAMFCISNLIWNEEEGSQERQDKLRDMG
IVDILHKL SQSPDNLCDKAKMALQQYLA
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015396

ORF Size: 1977 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_015396.3](#), [NP_056211.2](#)

RefSeq Size: 3832 bp

RefSeq ORF: 1980 bp

Locus ID: 25852

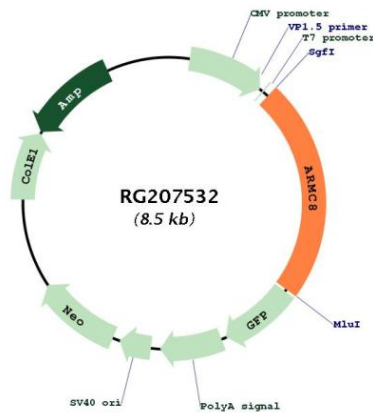
UniProt ID: [Q8IUR7](#)

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 HBP1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207532