

Product datasheet for **RG233050**

ARMC8 (NM_001267041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC8 (NM_001267041) 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:

>RG233050 representing NM_001267041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTGCTTGTGGAGACCCCAATCCGCATGAGCGTCCTTTCCGGAAGTAACAGCTAGCAGTCGCCACT
 ATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTACAAGGTGTCATAGACATGAAAAATGCTGT
 AATTGGAAAACAACAGCAGAAAGCCAATCTCATTGTTTTAGGAGCTGTTCCAAGATTGTTGTAAGTCTGCT
 CAGCAAGAAACCTCAAGCACAGAGCTGAAAAGTGAATGTGCAGTGGTGTGGGAAGTCTTGTCTATGGGTA
 CTGAAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCCCTGCCTTATTGCAAGGACTACTGTCCCC
 AGACCTGAAGTTTATTGAAGCTTGCTCCGATGCCTGCGTACCATCTTACCAGTCTGTCACTCCAGAG
 GAGCTACTGTATACAGGGCCAGATCATCAACAATTTTATTTAACACGGTGCAGTTCAGAATATTGCTC
 ACCTACTAACCTCACTGTCTACAAAGTTCGAATGCAAGCACTGAAATGTTTCTCAGTTTTAGCTTTTGA
 AAACCCCAAGGTATCGATGACCCTGGTAAATGTTTTGGTTGATGGAGAATTGTTACCACAGATTTTTGTG
 AAGATGTTACAGAGGGATAAGCCTATTGAGATGCAGCTCACATCAGCAAAATGTTAACTTACATGTGTA
 GAGCTGGAGCAATTCGGACAGATGATAACTGTATTGTATTAAGACATTACCTGTTTGGTTGCAATGTG
 CAGTAAGGAGAGATTACTAGAGGAGAGAGTTGAAGGAGCTGAGACACTTGCCATCTGATTGAACAGAT
 GTTGAGCTACAGAGAATCGCTAGCATAACTGATCACCTCATTGCCATGCTTGCTGATTATTTCAAGTATC
 CCAGCTCAGTGAGTGCCATCACTGATATTTAAAGGCTTGATCATGATTTAAACATGCTCACGAACCTCCG
 CCAGGCTGCATTCAAGCTCTATGCCTCTTTGGAGCAAATGATGAAGACATCCGGAAGAAGATCATTGAG
 ACTGAAAATATGATGGACCGAATTGTGACTGGCTTGTCTGAGTCTAGTGTCAAGGTGCGGTTAGCTGCCG
 TCAGATGTTTGCACAGTTTATCCAGATCTGTGCAGCAGCTTCAACCAAGTTTCCAGGATCATGCTGTTTG
 GAAACCTTAAATGAAGGTTTTACAAAATGCACCAGATGAAATCCTAGTGGTAGCATCTTCCATGCTGTGT
 AATCTTCTTCTGAATTTTCTCCAAGCAAAGGCAATTTTGAATCAGGAGCCGTAGAGCTACTTTGTG
 GATTAAGTCAAGTGAATCCTGCTTTACGAGTGAATGGAATTTGGGCTTAAATGAATATGGCATTTC
 GGCTGAACAAAAAATAAAGCAGATATTTACGAAGCTTGAGTACTGAACAGCTATTCGGTTATTATCA
 GATTGAGATTTGAATGTGCTGATGAAGACATTGGGACTTCTTAGAAATCTCCTCTCCACTCGTCTCATA
 TAGATAAAATAATGAGTACTCATGGAAGCAAATTTATGCAAGCCGTCCTCTTATTCTAGAAGGGGAACA
 TAACATTGAGGTCAAAGAGCAGACTGTGCATCTTAGCCAACATAGCGGATGGGACAACAGCAAAAGAT
 CTTATTATGACCAATGATGATATCTACAGAAAATCAAGTATTACATGGGCCATTACATGTTAACTGC
 AGCTTGACGCCATGTTTTGTATATCAAACCTCATATGGAATGAAGAGGAAGGTTACAAGAACGCCAGGA
 TAAATTACGAGACATGGGCATCGTAGATATTCTACACAAACTGAGTCACTCACCAGATTCAAACCTTTGT
 GACAAGGCAAAGATGGCACTGCAGCAGTACCTGGCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG233050 representing NM_001267041
 Red=Cloning site Green=Tags(s)

MACLLETPIRMSVLSEVTASSRHYVDRLFDPPDQKVLQGVIDMKNAVIGNNKQKANLIVLGAVPRLLYLL
 QQETSSTELKTECAVVLGSLAMGTENNKSLLDCHIIPALLQGLLSPDLKFIACLRLRTIFTSPVTPE
 ELLYTGPDHQTILFNHGAVQNIHLLTSLSYKVRMQALKCFSVLAFENPQVSMTLVNVLVDGELLPQIFV
 KMLQRDKPIEMQLTSKCLTYMCRAGAIRTDNCIVLKTLPCLVRMCSKERLLEERVEGAETLAYLIEPD
 VELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHLKHAHELQAFAFKLYASLGANDEDIRKKIE
 TENMMDRIVTGLSESSVKVRLAAVRCLHLSRSVQQLRTSFQDHAVWKPLMKVLQNPAPDEILVVASSMLC
 NLLLEFSPSKEPILESGAVELLCGLTQSENPALRVNGIWALMNMFAQAEQKIKADILRSLSTEQLFRLLS
 DSDLNVLTKLGLLRNLLSTRPHIDKIMSTHGKQIMQAVTLILEGEHNIIEVKEQTLCILANIADGTTAKD
 LIMTNDLILQIKIKYYMGHSHVKLQLAAMFCISNLIWNEEEGSQERQDKLRDMGIVDILHKLSQLSPDSNLC
 DKAKMALQQYLA

TRTRPLE – GFP Tag – V

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:	<ol style="list-style-type: none">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_001267041.2 , NP_001253970.1
RefSeq Size:	4746 bp
RefSeq ORF:	1929 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]