

## Product datasheet for **RG233008**

### **ARMC8 (NM\_001267042) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ARMC8 (NM_001267042) 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:**

>RG233008 representing NM\_001267042  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTGCTTGTGGAGACCCCAATCCGCATGAGCGTCCTTTCCGGAAGTAACAGCTAGCAGTCCGCACT  
 ATGTTGACAGGCTATTTGACCTGATCCCCAGAAAGTTCTACAAGGTGTCATAGACATGAAAAATGCTGT  
 AATTGGAAACAACAAGCAGAAAGCCAATCTCATTGTTTTAGGAGCTGTTCCAAGATTGTTGTAAGTCTGCT  
 CAGCAAGAAACCTCAAGCACAGAGCTGAAAAGTGAATGTGCAGTGGTGTGGGAAGTCTTGTCTATGGGTA  
 CTGAAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCCCTGCCTTATTGCAAGGACTACTGTCCCC  
 AGACCTGAAGTTTATTGAAGCTTGCTCCGATGCCTGCGTACCATCTTACCAGTCTGTCACTCCAGAG  
 GAGCTACTGTATACAGATGCCACAGTGATACCACACCTCATGGCACTGCTTAGCAGGTCCCGCTATACCC  
 AGGAGTACATCTGTCAGATCTTCTCACACTGCTGTAAGGGCCAGATCATCAAACAATTTTATTTAAACCA  
 CGGTGCAGTTCAGAATATTGCTCACCTACTAACCTCACTGTCCTACAAAGTTTGAATGCAAGCACTGAAA  
 TGTTTCTCAGTTTTAGCTTTTGAACCCCAAGGTATCGATGACCCTGGTAAATGTTTTGGTTGATGGAG  
 AATTGTTACCACAGATTTTTGTGAAGATGTTACAGAGGGATAAGCCTATTGAGATGCAGCTCACATCAGC  
 AAAATGTTAACTTACATGTGTAGAGCTGGAGCAATTCGGACAGATGATAACTGTATTGTATTAAGCTT  
 GATCATGATTTAAACATGCTCACGAACTCCGCCAGGCTGCATTCAGCTCTATGCCTCTCTTGGAGCAA  
 ATGATGAAGACATCCGGAAGAAGATCATTGAGACTGAAAATATGATGGACCGAATTGTGACTGGCTTGTG  
 TGAGTCTAGTGTCAAGGTGCGGTTAGCTGCCGTCAGATGTTTGCACAGTTTATCCAGATCTGTGCAGCAG  
 CTTGCAACAGTTTCCAGGATCATGCTGTTTGGAAACCTTAAATGAAGGTTTTACAAAATGCACCAGATG  
 AAATCCTAGTGGTAGCATCTTCCATGCTGTAATCTTCTTGAATTTTCTCCAAGCAAGAGCCAAT  
 TTTGGAATCAGGAGCCGTAGAGCTACTTTGTGGATTAACCTCAGAGTGAAAATCCTGCTTTACGAGTGAAT  
 GGAATTTGGGCTTAAATGAATATGGCATTTCAGGCTGAACAAAAAATAAAAGCAGATATTTTACGAAGCT  
 TGAGTACTGAACAGCTATTCCGTTTATTATCAGATTGAGATTTGAATGTGCTGATGAAGACATTGGGACT  
 TCTTAGAAATCTCCTCTCCACTCGTCTCATATAGATAAAATAATGAGTACTCATGGAAAGCAAATTATG  
 CAAGCCGTCACTCTTATTCTAGAAGGGGAACATAACATTGAGGTCAAAGAGCAGACACTGTGCATCTTAG  
 CCAACATAGCGGATGGGACAACAGCAAAAGATCTTATTATGACCAATGATGATATCTACAGAAAATCAA  
 GTATTACATGGGCCATTACATGTTAACTGCAGCTTGCAGCCATGTTTTGTATATCAAACCTCATATGG  
 AATGAAGAGGAAGTTTACAAGAAGCCAGGATAAATTACGAGACATGGGCATCGTAGATATTCTACACA  
 AACTGAGTCAGTACCAGATTCAAACCTTTGTGACAAGGCAAAGATGGCACTGCAGCAGTACCTGGCA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG233008 representing NM\_001267042  
 Red=Cloning site Green=Tags(s)

MACLETPIRMSVLSEVTASSRHYVDRLFDPDPQKVLQGVDMKNAVIGNNKQKANLIVLGAVPRLLYLL  
 QQETSSTELKTECAVVLGSLAMGTENNKSLLDCHIIPALLQGLLSPDLKFIACLRLRTIFTSPVTPE  
 ELLYTDATVIPHLMALLSRSRYTQEYICQIFSHCKGPDHQTILFNHGAVQNIHLLTSLSYKVRMQALK  
 CFSVLAFENPQVSMTLVNVLVDGELLPQIFVKMLQRDKPIEMQLTSAKCLTYMCRAGAIRTDDNCIVLKL  
 DHDLKHAHELQAAFKLYASLGANDEDIRKKIETENMMDRIVTGLSESSVKVRLAAVRCLHLSRSVQQ  
 LRFSFQDHAVWKPLMKVLQNPDEILVASSMLCNLLLEFSPSKEPILESGAVELLCGLTQSENPALRVN  
 GIWALMNAFQAEQKIKADILRSLSTEQLFRLLSDSDLNVLMLKTLGLLRNLLSTRPHIDKIMSTHGKQIM  
 QAVTLILEGEHNIQVKEQTLCILANIADGTTAKDLIMTNDILQKIKYYMGHSHVKLQLAAMFCISNLIW  
 NEEEGSQERQDKLRDMGIVDILHKLSPSPSNLCKAKMALQQYLA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001267042.3</a>
<b>RefSeq Size:</b>	4638 bp
<b>RefSeq ORF:</b>	1821 bp
<b>Locus ID:</b>	25852
<b>UniProt ID:</b>	<a href="#">Q8IUR7</a>
<b>Cytogenetics:</b>	3q22.3
<b>Gene Summary:</b>	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]