

Product datasheet for RC215221

ARMC8 (NM_213654) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC8 (NM_213654) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMC8
Synonyms:	GID5; HSPC056; S863-2; VID28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215221 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTAAACAGCTAGCAGTCGCCACTATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTAC
AAGGTGTCATAGACATGAAAAATGCTGTAATTGGAAACAACAAGCAGAAAGCCAATCTCATTGTTTTAGG
AGCTGTTCCAAGATTGTTGACTTGCTTCAGCAAGAAACCTCAAGCACAGAGCTGAAAATGAATGTGCA
GTGGTGTGGGAAGTCTTGCTATGGTACTGAAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCC
CTGCCTTATTGCAAGGACTACTGTCCCGAGACCTGAAGTTTATTGAAGCTTGCCTCCGATGCCTGCGTAC
CATCTTACCAGTCCGTCACTCCAGAGGAGCTACTGTATACAGATGCCACAGTGATACCACACCTCATG
GCACTGCTTAGCAGGTCCCGCTATACCCAGGAGTACATCTGTGAGATCTTCTCACACTGTGTAAAGGGC
CAGATCATCAAACAATTTTATTTAAACCAGGTGCAGTTGAGAATATTGCTCACCTACTAACCTCACTGTG
CTACAAAGTTCGAATGCAAGCACTGAAATGTTTCTCAGTTTTAGCTTTTGGAAACCCCGAGTATCGATG
ACCCTGGTAAATGTTTTGGTTGATGGAGAATTGTTACCACAGATTTTGTGAAGATGTTACAGAGGGATA
AGCCTATTGAGATGCAGCTCACATCAGCAAAATGTTAACTTACATGTGTAGAGCTGGAGCAATTCGGAC
AGATGATAACTGTATTGTATTAAGACATTACCTTGTTGGTTGCAATGTGCAGTAAGGAGAGATTACTA
GAGGAGAGATTGAAGGAGCTGAGACACTTGCCATCTGATTGAACCAGATGTTGAGCTACAGAAATCG
CTAGCATAACTGATCACCTCATTGCCATGCTTGCTGATTATTCAAGTATCCAGCTCAGTGAGTGCCAT
CACTGATATTAAGGCTTGATCATGATTTAAACATGCTCACGAACTCCGCCAGGCTGCATTCAAGCTC
TATGCCTCTTTGGAGCAAATGATGAAGACATCCGGAAGAAGGTGAGTCTGGGAGAGGGCGTCCCCCAG
TCCTGACAGCCAGCAGGCAGGGAGTGACGTCAACC

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215221 protein sequence
Red=Cloning site Green=Tags(s)

MEVTASSRHYVDRLFDPDPQKVLQGVDMKNAVIGNNKQKANLIVLGAVPRLLYLLQQETSSTELKTECA
 VVLGSLAMGTENNVKSLLDCHIIPALLQGLLSPDLKFKIEACLRCLRTIFTSPVTPEELLYTDATVIPHLM
 ALLSRSRYTQEYICQIFSHCCKGPDHQTILFNHGAVQNIHLLTSLSYKVRMQALKCFSVLAFENPQVSM
 TLVNVLVDGELLPQIFVKMLQRDKPIEMQLTSAKCLTYMCRAGAIRTDDNCIVLKTLPCLVRMCSKERLL
 EERVEGAETLAYLIEPDVELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHLKHAHEL RQA AFKL
 YASLGANDEDIRKKVSLGEGRPPVLTASRQGVST

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms: https://cdn.origene.com/chromatograms/mk6308_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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: 3290 bp

RefSeq ORF: 1158 bp

Locus ID: 25852

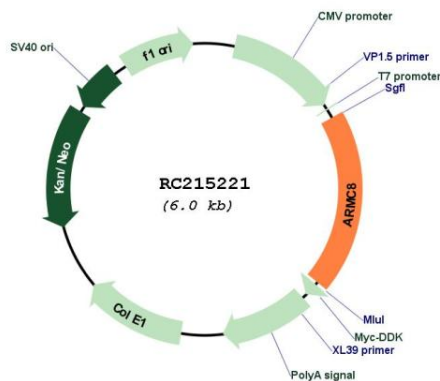
UniProt ID: [Q8IUR7](#)

Cytogenetics: 3q22.3

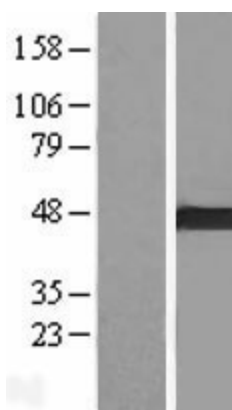
MW: 43 kDa

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]

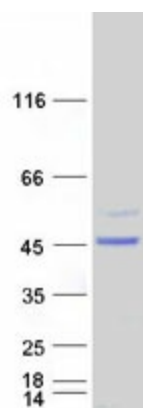
Product images:



Circular map for RC215221



Western blot validation of overexpression lysate (Cat# [LY403732]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215221 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARMC8 protein (Cat# [TP315221]). The protein was produced from HEK293T cells transfected with ARMC8 cDNA clone (Cat# RC215221) using MegaTran 2.0 (Cat# [TT210002]).