

Product datasheet for RC202341

ARMC8 (NM_014154) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC8 (NM_014154) 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:	>RC202341 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAAGTAAACAGCTAGCAGTCGCCACTATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTAC
AAGGTGTCATAGACATGAAAAATGCTGTAATTGGAAACAACAAGCAGAAAGCCAATCTCATTGTTTTAGG
AGCTGTTCCAAGATTGTTGACTTGCTTCAGCAAGAACTCAAGCACAGAGCTGAAAATGAATGTGCA
GTGGTGTGGGAAGTCTTGCTATGGTACTGAAAACAATGTCAAGTCTCTACTGGACTGCCATATTATCC
CTGCCTTATTGCAAGGACTACTGTCCCGAGACCTGAAGTTTATTGAAGCTGCCTCCGATGCCTGCGTAC
CATCTTACCAGTCCGTCACTCCAGAGGAGCTACTGTATACAGATGCCACAGTGATACCACACCTCATG
GCACTGCTTAGCAGGTCCCGCTATACCCAGGAGTACATCTGTGATCTTCTCACACTGTGTAAGGGC
CAGATCATCAAACAATTTTATTTAACCCAGGTGCAGTTGAGAATATTGCTCACCTACTAACCTCACTGTG
CTACAAAGTTCGAATGCAAGCACTGAAATGTTTCTCAGTTTTAGCTTTTAAAACCCCGAGTATCGATG
ACCCTGGTAAATGTTTTGGTTGATGGAGAATTGTACCACAGATTTTGTGAAGATGTTACAGAGGGATA
AGCCTATTGAGATGCAGCTCACATCAGCAAAATGTTAACTTACATGTGTAGAGCTGGAGCAATTCGGAC
AGATGATAACTGTATTGTATTAAGACATTACCTGTTTGGTTGCAATGTGCAGTAAGGAGAGATTACTA
GAGGAGAGATTGAAGGAGCTGAGACACTGCTATCTGATTGAACAGATGTTGAGCTACAGAGAATCG
CTAGCATAACTGATCACCTCATTGCCATGCTTGCTGATTATTCAAGTATCCAGCTCAGTGAGTGCCAT
CACTGATATTAAGGCTTGATCATGATTTAAACATGCTCACGAACTCCGCCAGGCTGCATTCAAGCTC
TATGCCTCTTTGGAGCAAATGATGAAGACATCCGGAAGAAGGTGAGTCTGGGAGAGGGCGTCCCCAG
TCCTGACAGCCAGCAGGCAGGGAGTGACGTCAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202341 protein sequence
Red=Cloning site Green=Tags(s)

```
MEVTASSRHYVDRLFDPDPQKVLQGVIDMKNAVIGNNKQKANLIVLGAVPRLLYLLQQETSSTELKTECA
VVLGSLAMGTENNVKSLLDCHIIPALLQGLLSPDLKFIACLRLRTIFTSPVTPEELLYTDATVIPHLM
ALLSRSRYTQEYICQIFSHCCKGPDHQTILFNHGAVQNIHLLTSLSYKVRMQALKCFSVLAFENPQVSM
TLVNVLDGELLPQIFVKMLQRDKPIEMQLTSAKCLTYMCRAGAIRTDDNCIVLKTLPCLVRMCSKERLL
EERVEGAETLAYLIEPDVELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHLKHAHEL RQA AFKL
YASLGANDEDIRKKVSLGEGRPPVLTASRQGVST
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms: https://cdn.origene.com/chromatograms/mk6147_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_014154

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_014154.4](#)

RefSeq Size: 3236 bp

RefSeq ORF: 1158 bp

Locus ID: 25852

UniProt ID: [Q8IUR7](#)

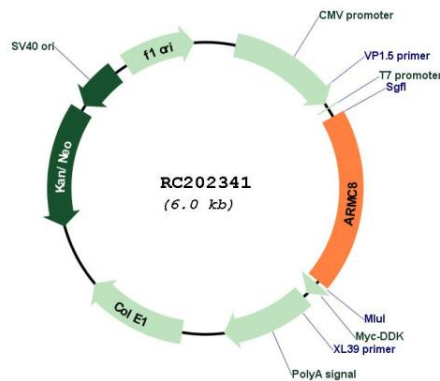
Cytogenetics: 3q22.3

Domains: Armadillo_seg

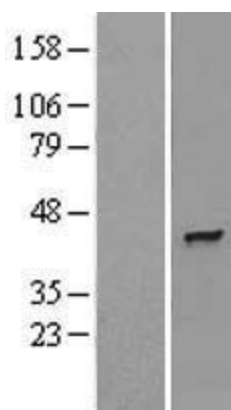
MW: 43 kDa

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]

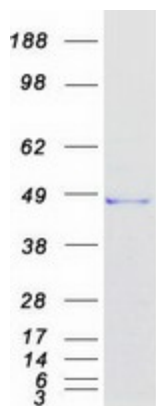
Product images:



Circular map for RC202341



Western blot validation of overexpression lysate (Cat# [LY402281]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202341 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARMC8 protein (Cat# [TP302341]). The protein was produced from HEK293T cells transfected with ARMC8 cDNA clone (Cat# RC202341) using MegaTran 2.0 (Cat# [TT210002]).