

Product datasheet for RC211360

R3HDML (NM_178491) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	R3HDML (NM_178491) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	R3HDML
Synonyms:	dj881L22.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211360 representing NM_178491 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTGCTGCCAGCACCGTGGCCTGGCAGGCTGCTCTTCTGGCTGGCCAGGCAGTGAACGCCT
TGATAATGCCTAATGCTACCCAGCCCCGGCCAGCCGAGAGCACGGCTATGCGCTCCTGAGTGGCT
GGAGGTGCCAGGTACCGCCGAAGCGCCACATCTCTGTGAGAGACATGAATGCCTTACTGGATTATCAC
AACCACATCCGGCCAGTGTGTACCCACCTGCCCAACATGGAATACATGGTCTGGACAAGCGGCTGG
CCAGGGCTGCCAAGCCTGGGCCACCCAGTGCATCTGGGCACATGGCCTTACAGCTGATGAGATACGT
GGGCCAGAACCTCTCCATCCATTCTGGCCAGTACCGGTCCGTAGTGGATCTCATGAAGTCCTGGTCTGAG
GAGAAGTGGCATTACTTGTTCGGCCCCAAGGGACTGTAACCCACACTGCCCTGGCGCTGCGATGGCC
CCACCTGCTCCATTATACCCAGATGGTGTGGGCATCCTCCAATCGGCTGGGCTGTGCCATCCACACCTG
TAGTAGCATCAGTGTCTGGGGCAACACCTGGCATCGGGCGGCATACCTGGTCTGCAACTATGCCATTAAG
GGCAACTGGATTGGCGAGTCCCCGTACAAGATGGGAAAGCCGTGCTCCTCTGTCCCCCAGTTATCAAG
GCAGCTGCAATAGCAACATGTGCTTCAAGGGGCTGAAATCCAACAAGTTCACGTGGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211360 representing NM_178491
Red=Cloning site Green=Tags(s)

MPLLSTVGLAGLLFWAGQAVNALIMPNATPAPAQPESTAMRLLSGLEVPRYRRKRHISVRDMNALLDYH
 NHIRASVYPPAANMEYMWVKRLARAAEAWATQCIWAHGPSQLMRVYVGNLSIHSQYRSVVDLMKSWSE
 EKWHYLFAPRDCNPHCPWRCDGPTCSHYTQMVWASSNRLGCAIHTCSSISVWGNWTWHRAAYLVCNYAIAIK
 GNWIGESPYKMGKPCSSCPPSYQGSCNSNMCFKGLKSNKFTWF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8025_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178491

ORF Size: 759 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_178491.4](#)

RefSeq Size: 1377 bp

RefSeq ORF: 762 bp

Locus ID: 140902

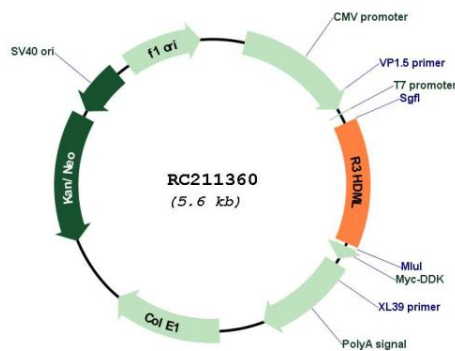
UniProt ID: [Q9H3Y0](#)

Cytogenetics: 20q13.12

MW: 28.4 kDa

Gene Summary: Putative serine protease inhibitor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211360