

Product datasheet for **RR217136**

Hunk (NM_001191662) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hunk (NM_001191662) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hunk
Synonyms:	RGD1565091
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217136 representing NM_001191662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGTGTGCGCCGGGACGGGCTCTTGGGGAGCCGGCGCGCCGGGGGCGACGGAGCGCGGAGG
 ACACGGCCAGGCCGGCGCGGCCTGCGAGGGAAGTTTCTTGCCTCCCTGGGTGAGCGCGTGTCCCGCA
 GCGGCTCCGGACTTCCAGCATACAAGCGCTGGCACTACCTCATCGGCAGCAGGAAGCTGGGAGAA
 GGCTCCTTCGCCAAGGTGCGCGAGGGGCTGACAGTGTGACCGGAGAGAAGGTGGCCATCAAAGTCATCG
 ATAAGAAGAGAGCCAAAAAGGACACCTACGTTACCAAAAACCTGCGTCGAGAGGGGCAGATCCAGCAGAT
 GATCCGCCATCCCAACATCACGCAGCTCCTGGACATCTTAGAGACAGAGAACAGCTACTACCTGGTCATG
 GAGCTGTGTCCCGCGGCAATCTCATGCACAAGATCTATGAAAAGAAGCGGCTAGATGAGGCGGAGGCC
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 GCAGGGATCCTGGTTACTCTGACCCATTACAGCACACAGTGTGGCAGCCCTGCCTATGCCGCCCCAGAAC
 TGCTTGCCAGGAAGAAATACGGCCCCAAAATTGATGTCTGGTCAATAGGTGTGAACATGTATGCCATGTT
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 AGTGCCCTGCAACGTACCTACCTAACAGGATTTCTCTGGAAGACCTGAGCCCCAGCGTGGTGTGCAC
 ATGACTGAAAAGCTGGGCTACAAGAACAGTACGTCATCAACACGGTGTCTCCAACCGACCTGCCACA
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 GTCGCCTTCACTGATCACACAAATCCAGAATACCAAAGCCCTGCTCAAAGACCGGAAGGCCCTCAAGTCA
 GGCTTCGGCGACAAGACTCCTTCGGCTGCCGAAATCTTTCCGAAAGACCTCTGATTCCAATTGTGTGG
 CCTCCTTCCATGGAATTCATCCCTGTCCACCTCCAGGACACCAAGGATTGTAAGAAAACAAGAGCC
 ACACCAGCCAGGGCCGGGAAGTCCAGCATGCTCCCAAGGAAGAGCCCTGCTGCTGGACATGGTTCGC
 TCCTTTGAGTCAGTGGACCGAGAGGACCACATAGAAGTGTGCTCTTCCACCATATAGGATCCTGA
 GCTCCCTGTGAGCTTGGCGCGTAGGAATTCGGTGTGAGAGGACACTCTCCCAGGGCTGCTGCCGGAAG
 CAGTCACTCTCAAACGCCTCTGCATTCCACTGGTCTCTTCACTCACGAAGAAAAGAACAGCCCC
 CCGAAAGAGGAGGGTGTGTTCACCACCTCCGGTCCCCAGCAATGGCCTCATGCAGCCTCTGGGGAGCC
 CCAACTGTGTGAAAAGCAGGGGAAGTTCCCCATGATGGGCATTGGACAGATGCTCAGGAAGCGGCACCA
 GAGCCTGCAGCCTTCTCAGAGAGGTCCCTGGAGGTGAGTATGTCCTCTGCAGCCACAGCCCCCTCC
 AGCCTCTCCTTCGACATGCCGATGGTGTCAAGGGCCAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217136 representing NM_001191662
Red=Cloning site Green=Tags(s)

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MPAAAGDGLLGEPAAPGGDGAEDTARPAACEGSFLPAWVSGVSRERLRDFQHHKRVGNLYIGSRKLGEGSF
AKVREGLHVLGTGEKVAIKVIDKKRAKKTYYVTKNLRREGQIQMIRHPNITQLLDILETENSYYLVMELCP
GGNLMHKIYEKKRLDEAEARRYIRQLISAVEHLHRAGVVHRDLKIENLLLEDNLIKLI DFGLSNCAGIL
GYSDFSTQCGSPAYAAPELLARKKYGPKIDVWSIGVNMAYMLTGLPFTVEPFLRALYQKMVDKEMNPLPT
QLSTGAINFLRSLLEPDPVSRPNIQQALANRWLNENYTGKVPNCNVTYPNRSLEDLSPSVVLHMTEKLG
YKNSDVINTVLSNRACHILAIYFLLNKKLERYLSGKSDIQDSICYKTQLYQIEKCRATKEPYEASLDTWT
KDFELHAVQDKKPEQDKRADFLHRPFSKKLDSLPSHKQPSPLITQIQNTKALLKDRKASKSGFGDKDSFG
CRNLFKRKTSDSNCAVSSMEFIPVPPRTPRIVKKQEPHQPGGSASMLPKEEPLLLDMVRSFESVDREDHI
ELLSSSHHYRILSSPVS LARRNSGERTLSPGLLSGSTSPLQTPHSTLVSF THEEKNSPKKEEGVCSPPP
VPSNGLMQPLGSPNCVKSRRGFPMMGIGQMLRKRHQSLQPSSERSLEVMSPLQPTAPSSLSFDMADGVK
GQC
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001191662

ORF Size: 2142 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_001191662.1](#), [NP_001178591.1](#)

RefSeq Size: 2145 bp

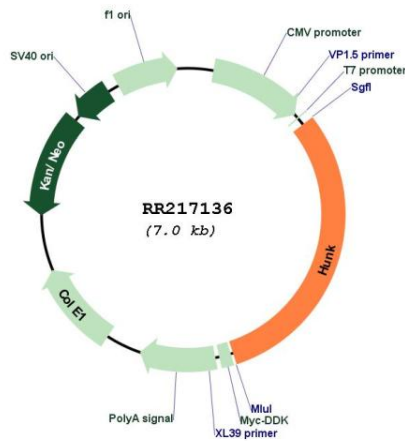
RefSeq ORF: 2145 bp

Locus ID: 288275

Cytogenetics: 11q11

MW: 79.6 kDa

Product images:



Circular map for RR217136