

Product datasheet for **RR214865**

Hdgfl2 (NM_133548) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdgfl2 (NM_133548) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hdgfl2
Synonyms:	Hdgf2; Hdgfrp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214865 representing NM_133548
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCACGCCCTCAAGCCCGGGACTTAGTGTGGCAAGATGAAGGGCTACCCGCACTGGCCGGCCC
 GGATCGATGACATTGCTGATGGTCTGTGAAGCCGCCACCTAACAAATACCCCATCTTCTTTTGGAAC
 GCATGAAACGGCCTTTTTGGGACCCAAGGACCTGTTCCCTTATGACAAGTGAAGGACAAGTACGGAAAG
 CCCAACAGAGGAAAGGCTTCAATGAGGGGCTCTGGGAGATCCAGAACACCCCCACGCCAGCTACAGTG
 CGCCTCTGCCTGTGAGCTCCTCTGACAGTGAGGCCCTGAAGCCGACCTGGGTGGTGGCAGTGACGCAGA
 CAAGGAAAAAGAAGCCCGGAGGGTCATGACTGTGACAGCTGTGACCACCACAGCCACCAGTGGCAGGACG
 GAGAGCGACTCCGACTCTGACAAGAACAGTGATCACAGTGGCCTGAAGCGGAAGACGCCAGTCTTGAAGA
 TGTCAGTCTCTAAACGAGCTAGAAAGGCCTCCAGCGACCTGGATCAGGCCAGTGTTCCTCATCGGAAGA
 GGACTCTGAGAGCCCATCTGAGTCAGAGAAGACCAGTGACCAGGATTTTACCCAGAGAAGAAGACAATA
 GCCCGGGCTCCACGGCGGGCTCCTCTGGGAGGACGAAAAAGAAGAAGGTGCCGTGAGCCTCAGATTCAG
 ACTCCAGAGCCGACTCAGATGGGGCCAAGGAGGAGCCTGTGGTTACAGCACAGCCGTCTCCGTCGTCCGGC
 CTCCTCTCATCTCCTCATCCGCCTCAGATTCAGATGTGTCCATCAAGAAACCCCTCGAGGCAGAAAAG
 CCAGCTGAGAAGCCACCCCAACCCCGAGGGCGGAGATCAAAGCCAGAACGACCACCTTCCACCTCCA
 GCAGTGACAGTGACAGTGACAGTGGTGGTGGACCGAATCAGTGAATGGAAGAGGCGTGATGAGGAGCG
 AAGCGGAGAGCTAGAGGCTCGGAGGCGACGGGAGCAGGAGGAAGAGCTCCGGAGGCTTCGAGAGCAGGAG
 AGGGAAGAGAAGGAGCGCGCAAGGAGCGGGCAGAGCGTGGGGCAGCAGTGGGGAGGAGCTGGAGGACG
 AGGAGCCTGTGAAGAAGCGTAGCCGCAAGGCTCGGGGCCGGGGCACACCATCCTCCTCTGACTCAGAGCC
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 AACGGACACGGAAGCGGTGAGAGGCTCTCTCACTGGACAGGAAGGGGAAAAAGAAGAAAGAACTTCCGT
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 AGGTGTCTGAGTGCACTGGAAGAAGTGGGAACCTGCAGGTAACCTCTCAGATCCTTCAGAAGAACACAG
 ATGTGGTAGCAACGCTCAAGAAGATTCGCCGTACAAGGCCAACAAAGATGTGATGGCGAAGGCAGCAGA
 GGTCTACACCCGGCTCAAGTCGAGGGTCTCGGGCCGAAAGTTGAGGCTCTCCAGAAGGTGAACAAAGCT
 GGAGCCGAGAAGGAACGGGCCGATGGCGAGAAGGTGGAGGAACAGCCTGGGGAGCAGGCTCCAGAGAGC
 TGCGCGGAGGATGAGCCCAGCACTGATCGGTGAGCACCTGTGAATGGTGAAGCCGCATCCCAGAAGGGAGA
 GAACACAGAAGATGGAGCACAGGAAGACGGGCAGGACTTGGAGGATGGCCCCAGGGGTGGCTCCTCAGAA
 GAGCTGCATGACAGCCCACAGGACAGCTCTGACCCCGCAGGCCTGGGAATGAGCATCAGGACCATGAGA
 GGATGCAGTTGGCCTCTGAGTCTGCCGATGATGATGATGAGGACAGC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214865 representing NM_133548
Red=Cloning site Green=Tags(s)

MPHAFKPGDLVFAKMKGYPHWPARIIDDIADGAVKPPPNKYPIFFFGTHETAFLGPKDLFPYDKCKDKYGK
 PNKRKGFNEGLWEIQNNPHASYSAPLPVSSSDSEAPEADLGGGSDADKEKEARRVMTVTAVTTTATSGRT
 ESDSDSDKNSDHSGLKRKTPVLKMSVSKRARKASSDLQASVSPSEEDSESPSESEKTSQDFTPEKKT
 ARAPRRAPLGGRRKKKVPASDSDSRADSDGAKEEPVVT AQPSPSSASSSSSSASDSDVSIKKPPRGRK
 PAEKPPPKPRGRSKPERPPSTSSSDSDSGEVDRISEWKRRDEERRRELEARRRREQEEELRRLREQE
 REEKERRKERAERGGSSGEELEDEEPVKKRSRKARGRGTSSSDSEPEGELGKEGKKLAKKSQLQGSESA
 RKPGQKEKRGRPDEKPRARPVKVERTKRSEGLSLDRKGEKKKEPSVEERLQKLHSEIKFALKVDNPDVR
 RCLSALEELGTLQVTSQILQKNTDVVATLKKIRRYKANKDVMKAAAEVYTRLKSRVLGPKVEALQKVNKA
 GAEKERADGEKVVEEQPGEQAPRELADEPSTDRSAPVNGEAAASQK GENTEDGAQEDGQDLEDGPRGGSS
 ELHDSPOQSSDPARPGNEHQDHERMQLASESADDDDED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133548

ORF Size: 2007 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_133548.1](#), [NP_598232.1](#)

RefSeq Size: 2157 bp

RefSeq ORF: 2010 bp

Locus ID: 171073

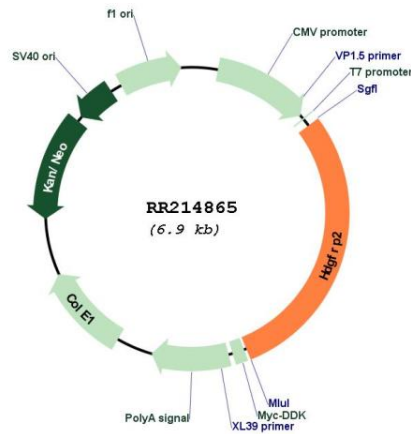
UniProt ID: [Q925G1](#)

Cytogenetics: 9q12

MW: 74 kDa

Gene Summary: may have a putative role in apoptosis [RGD, Feb 2006]

Product images:



Circular map for RR214865