

Product datasheet for **MG209970**

Hdgfrp2 (BC003741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdgfrp2 (BC003741) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hdgfrp2
Synonyms:	HRP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG209970 representing BC003741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCACGCCTTCAAGCCCGGGGACTTGGTGTGGTCCCAAGATGAAGGGCTACCCGCACCTGGCCGCCCC
 GGATTGATGACATTGCTGATGGTGCCGTGAAGCCCCACCAACAATAACCCCATCTTCTTTTGGAAC
 GCATGAAACGGCCTTCTGGGACCCAAGGACCTGTTCCCTATGATAAGTGAAGGACAAGTACGGAAAG
 CCCAACAGAGGAAAGGCTTCAATGAGGGGCTCTGGGAGATCCAGAACAACCCCATGCCAGCTACAGTG
 CGCCTCCGCCGTGAGCTCCTCTGACAGTGAGGCCCTGAAGCCGACCTGGGTTGTGGCAGCGACGTGGA
 CAAGGACAAGAATCCCGGAGGGTCATGACTGTGACAGCTGTGACCACCACAGCCACCAGTGACAGGATG
 GAGAGCGATTCTGACTCTGACAAGAGCAGTGATCACAGTGGCCTGAAGCGGAAGACACCAGTCTTGAAGG
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 CTGAAGGTTGACAACCCAGATGTGAGGAAGTGTCTGAGTGCCTGGAAGAAGTGGGGACTCTGCAGGTAA
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 CAAGGATGTGATGGCGAAGGCAGCAGAGGTCTACACCCGGCTCAAGTACGGGTCTGGGCGGAAAGTT
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 GATGGCCCCAGGGGTGGCTCCTCAGAAGAGCTGCATGACAGCCCACGCGCAACTCGGACCCAGCCAAGC
 CTGGAAATGAGCGTCAGGACCATGAGAGGACACGGCTGGCCTCTGAGTCTGCAAATGATGACAATGAGGA
 CAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209970 representing BC003741
 Red=Cloning site Green=Tags(s)

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MPHAFKPGDLVFAKMKGYPHWPARIIDDIADGAVKPPPKNKYPIFFFGTHETAFLGPKDLFPYDKCKDKYK
PNKRKGFNEGLWEIQNNPHASYSAPPPVSSDSEAPEADLGCSDVDKDESRRVMTVTAVTTTATSDRM
ESDSDSDKSSDHSGLKRKTPVLKVSVKRARRASSDLQASVSPSEEDSESPSEKTSQDFTPKKTAR
ARPPRRGPLGGRKKKHPGTGYACPQKVPASDSDSKADSDGAKKEPVVTAQPSPPSSSSSSSSSSSDSDVS
VKKPPRRGRKPAEKPPKPRGRRPKPERPPSTSSSDSDSGEVDRISEWKRRDEERRRELEARRRREQEE
ELRRLREQEREKERRKERAERGSSGEELEDEEPPVKKRSRKARGRGTSSSDSEPEGELGKEGKLLAKK
SQLPGSESARKPGQKEKGRPDEKPRARPVKVERTRKRSEGLSLERKGEKKKEPSVEERLQKLHSEIKFA
LKVDNPDVRKCLSAL EELGTLQVTSQILQKNTD VVATLKKIRRYKANKDVMAKAAEVYTRLKSRVLGPKV
EALQKVNKAGAEKERADNEKLEEQPGEQAPRELADEPSTDRSAPVNGEATSQKGENMEDRAQEDGQDSE
DGPRGGSSEELHDSRPDNDPAKPGNERQDHERTRLASESANDDNEDS
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC003741

ORF Size: 2036 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: [BC003741](#), [AAH03741](#)

RefSeq Size: 2249 bp

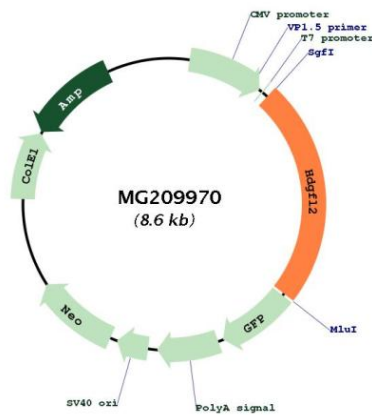
RefSeq ORF: 2036 bp

Locus ID: 15193

Cytogenetics: 17 D

Gene Summary: Involved in cellular growth control, through the regulation of cyclin D1 expression (By similarity). Associates with chromatin. Isoform 1 and isoform 3 bind to condensed chromatin in mitotic cells. Isoform 4 binds to non-condensed chromatin in the presence of HDGF. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209970