

Product datasheet for **RG213373**

CD168 (HMMR) (NM_012485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD168 (HMMR) (NM_012485) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD168
Synonyms:	CD168; IHABP; RHAMM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG213373 representing NM_012485
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCCTTTCCTAAGCGCCCTTGAACGATTCAATGACCCTTCTGGTTGTGCACCATCTCCAGGTGCTT
ATGATGTTAAAACCTTTAGAAGTATTGAAAGGACCAGTATCCTTTCAGAAATCACAAAAGTTTAAACAACA
AAAAGAATCTAAACAAAATCTTAATGTTGACAAAGATACTACCTTGCCTGCTTCAGCTAGAAAAGTTAAG
TCTTCGGAATCAAAGATTCGTGTTCTTCTACAGGAACGTGGTGCCAGGACAGCCGGATCCAGGATCTGG
AACTGAGTTGAAAAGATGGAAGCAAGGCTAAATGCTGCACTAAGGGAAAAACATCTCTCTGCAAA
TAATGCTACACTGAAAAACAATTATTGAATTGACCAGGACTAATGAACTACTAAAATCTAAGTTTTCT
GAAAATGGTAACCAGAAGAATTTGAGAATCTAAGCTTGGAGTTGATGAACTTAGAAACAAAAGAGAAA
CAAAGATGAGGGGTATGATGGCTAAGCAAGAAGGCATGGAGATGAAGCTGCAGGTCACCCAAAGGAGTCT
CGAAGAGTCTCAAGGGAAAATAGCCCACTGGAGGGAAAACCTGTTTCAATAGAGAAAAGAAAAGATTGAT
GAAAAATCTGAAACAGAAAACTCTTGAATACATCGAAGAAATTAGTTGTGCTTCAAGTCAAGTGGAAA
AATACAAGCTAGATATTGCCAGTTAGAAGAAAATTTGAAAGAGAAGAATGATGAAATTTAAGCCTTAA
GCAGTCTCTTGAGGAGAAATATTGTTATATTATCTAAACAAGTAGAAGATCTAAATGTGAAATGTCAGCTG
CTTGAAAAAGAAAAAGAACCATGTCAACAGGAATAGAGAACACAACGAAAAATCTAAATGCAGAGATGC
AAAACCTAAAACAGAAGTTTATTCTTGAACAACAGGAACGTGAAAAGCTTCAACAAAAGAAATACAAT
TGATTCACCTTCTGCAACAAGAGAAAGAAATATCTTCGAGTCTTCATCAGAAGCTCTGTTCTTTTCAAGAG
GAAATGGTTAAAGAGAAGAATCTGTTGAGGAAGAATTAAGCAAACACTGGATGAGCTTGATAAATTAC
AGCAAAAAGGAGGAACAAGCTGAAAGGCTGGTCAAGCAATTGGAAGAGGAAGCAAAATCTAGAGCTGAAGA
ATTAACAACTCCTAGAAGAAAAGCTGAAAGGGAAGGAGGCTGAACCTGGAGAAAAGTAGTGCTGCATACC
CAGGCCACCCTGCTTTTGCAGGAAAAGTATGACAGTATGGTGCAAAAGCCTTGAAGATGTTACTGCTCAAT
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AAAAGCGGCCAAGGCTGGGAAAAATGCAGAGGATGTTGAGCATCAGATTTTGGCAACTGAGAGCTCAAAT
CAAGAATATGTAAGGATGCTTCTAGATCTGCAGACCAAGTCAGCACTAAAGGAAACAGAAATTAAGAAA
TCACAGTTTCTTTCTTCAAAAAATAACTGATTTGCAGAACCACTCAAGCAACAGGAGGAAGACTTTAG
AAAACAGCTGGAAGATGAAGAAGGAAGAAAAGCTGAAAAAGAAAATACAACAGCAGAATTAAGTGAAGAA
ATTAACAAGTGGCGTCTCCTCTATGAAGAACTATAAATAAAAACAAAACCTTTTTCAGCTACAACCTAGATG
CTTTTGAAGTAGAAAAACAGGCATTGTTGAATGAACATGGTGCAGCTCAGGAACAGCTAAATAAAAATAAG
AGATTCATATGCTAAATATTGGGTCATCAGAATTTGAAACAAAAAATCAAGCATGTTGTGAAGTTGAAA
GATGAAAATAGCCAACCTCAAATCGGAAGTATCAAACTCCGCTGTGAGCTTGCTAAAAAAAACAAAGTG
AGCAAAACTTCAAGAGGAATTGAATAAAGTTCTAGGTATCAAACACTTTGATCCTTCAAAGGCTTTTCA
TCATGAAAGTAAAGAAAATTTGCCCTGAAGACCCATTAAAAGAAGGCAATACAACCTGTTACCGAGCT
CCTATGGAGTGTCAAGAATCATGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213373 representing NM_012485
 Red=Cloning site Green=Tags(s)

MSFPAKPLKRFNDPSGCAPSPGAYDVKLTLEVLKGPVVFQKSQRFKQKESKQNLNVDKDITLTPASARKVK
 SSESKIRVLLQERGAQDSRIQDLETELEKMEARLNAALREKTSLSANNATLEKQLIELTRTNELLKSKFS
 ENGNQKNLRILSLELMKLRNKRETKMRGMMAKQEGMEMKLVQVTRSLSEESQGKIAQLEGKLVSIEKEKID
 EKSETEKLLLEYIEEISCASDQVEKYKLDIAQLEENLKEKNDIILSLKQSLSEENIVILSKQVEDLNVKQQL
 LEKEKEDHVNRNREHNENLNAEMQNLIKQKFILEQQEREKLQQKELQIDSLQQEKELSSSLHQKLCFQE
 EMVKEKNLFEEELKQTLDELDKLQQKEEAERLVKQLEEEAKSRAEELKLLLEEKLGKEAELEKSSAAHT
 QATLLQEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLSSSLQEAKAGKNAEDVQHILATESSN
 QEYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQQEEDFRKQLEDEEGRKAEKENTTAELEET
 INKWRLLYEELYNKTKPFQLQLDAFEVEKQALLNEHGAAQQLNKIRDSYAKLLGHQNLKQKIKHVVKLK
 DENSQLKSEVSKLRQLAKKKQSETKLQEELNKVLGIKHFDPKAFHHESKENFALKTPLKEGNTNCYRA
 PMECQESWK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

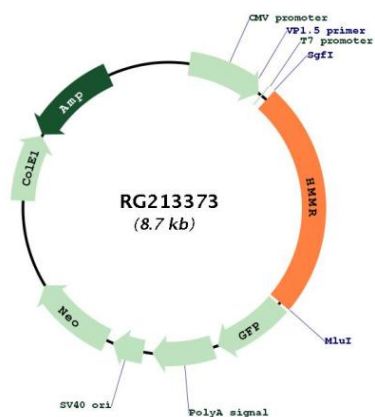


ACCN: NM_012485

ORF Size: 2127 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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:	<p>NM_012485.1, NP_036617.1</p>
RefSeq Size:	<p>3096 bp</p>
RefSeq ORF:	<p>2130 bp</p>
Locus ID:	<p>3161</p>
UniProt ID:	<p>O75330</p>
Cytogenetics:	<p>5q34</p>
Protein Families:	<p>Druggable Genome, Stem cell - Pluripotency</p>
Protein Pathways:	<p>ECM-receptor interaction</p>
Gene Summary:	<p>The protein encoded by this gene is involved in cell motility. It is expressed in breast tissue and together with other proteins, it forms a complex with BRCA1 and BRCA2, thus is potentially associated with higher risk of breast cancer. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Dec 2008]</p>

Product images:



Circular map for RG213373