

## Product datasheet for **RC227795**

### CD168 (HMMR) (NM\_001142557) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD168 (HMMR) (NM_001142557) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD168
Synonyms:	CD168; IHABP; RHAMM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC227795 representing NM\_001142557  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACCCTTCTGATTCGTGTTCTTCTACAGGAACGTGGTGCCAGGACAGCGGATCCAGGATCTGGAAA  
CTGAGTTGGAAAAGATGGAAGCAAGGCTAAATGCTGCACTAAGGGAAAAACATCTCTCTGCAATAA  
TGCTACACTGGAAAAACACTTATTGAATTGACCAGGACTAATGAACTACTAAAACTAAGTTTTCTGAA  
AATGGTAACCAGAAGAATTTGAGAATTCTAAGCTTGGAGTTGATGAACTTAGAAAACAAAAGAGAAACAA  
AGATGAGGGGTATGATGGCTAAGCAAGAAGGCATGGAGATGAAGCTGCAGGTACCCAAAGGAGTCTCGA  
AGAGTCTCAAGGGAAAAAGCCCACTGGAGGGAAAACTGTTTTCAATAGAGAAAAGAAAGATTGATGAA  
AAATCTGAAACAGAAAACTCTTGAATACATCGAAGAAATTAGTTGTGCTTCAGATCAAGTGGAAAAAT  
ACAAGCTAGATATTGCCAGTTAGAAGAAAATTTGAAAGAGAAGAATGATGAAATTTAAGCCTTAAGCA  
GTCTCTTGAGGAGAATATTGTTATATTCTAAACAAGTGAAGATCTAAATGTGAAATGTCAGCTGCTT  
GAAAAAGAAAAAGACCATGTCAACAGGAATAGAGAACACAACGAAAACTAAATGCAGAGATGCAAA  
ACTTAAAACAGAAAGTTTATTCTTGAACAACAGGAACGTGAAAAGCTTCAACAAAAAGAAATACAAATTGA  
TTCACCTCTGCAACAAGAGAAAGAAATTATCTTCGAGTCTTCATCAGAAGCTCTGTTCTTTTCAAGAGGAA  
ATGGTTAAAGAGAAGAATCTGTTTGAGGAAGAATTAAGCAAACACTGGATGAGCTTGATAAATTACAGC  
AAAAGGAGGAACAAGCTGAAAGGCTGGTCAAGCAATTGGAAGAGGAAGCAAAATCTAGAGCTGAAGAATT  
AAAACCTCTAGAAGAAAAGCTGAAAGGGGAGGAGGCTGAACTGGAGAAAAGTAGTGTCTCATACCCAG  
GCCACCCTGCTTTTGCAGGAAAAGTATGACAGTATGGTGCAAAGCCTTGAAGATGTTACTGCTCAATTTG  
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AGCGGCCAAGGCTGGGAAAAATGCAGAGGATGTTCAAGCATCAGATTTTGGCAACTGAGAGCTCAAATCAA  
GAATATGTAAGGATGCTTCTAGATCTGCAGACCAAGTCAGCACTAAAGGAAACAGAAATTAAGAAATCA  
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ACAGCTGGAAGATGAAGAAGGAAGAAAAGCTGAAAAAGAAAATACAACAGCAGAATTAAGTGAAGAAATT  
AACAGTGGCGTCTCCTCTATGAAGAATATAATAAAACAAAACCTTTTTCAGCTACAAGTATAGTCTT  
TTGAAGTAGAAAAACAGGCATTGTTGAATGAACATGGTGCAGCTCAGGAACAGCTAAATAAAATAAGAGA  
TTCATATGCTAAATTATGGGTCTCAGAAATTTGAAACAAAAAATCAAGCATGTTGTGAAGTTGAAAGAT  
GAAAATAGCCAACTCAAATCGGAAGTATCAAACTCCGCTGTGAGCTTGTAAAAAAAACAAAGTGAAG  
CAAACTTCAAGAGGAATTGAATAAAGTTCTAGGTATCAAACTTTGATCCTTCAAAGGCTTTTTCATCA  
TGAAAGTAAAGAAAATTTGCCCTGAAGACCCATTAAAAGAAGGCAATCAAACTGTTACCGAGCTCCT  
ATGGAGTGTCAAGAATCATGGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:** >RC227795 representing NM\_001142557  
Red=Cloning site Green=Tags(s)

MTLLIRVLLQERGAQDRRIQDLETELEKMEARLNAALREKTSLSANNATLEKQLIELTRTNELLKSKFSE  
 NGNQKNLRILSLELMKLRNKRETKMRGMMAKQEGMEMKLQVTRSRLEESQGKIAQLEGKLVSIEKEKIDE  
 KSETEKLLLEYIEEISCASDQVEKYKLDIAQLEENLKEKNDIILSLKQSLSEENIVILSKQVEDLNVCQLL  
 EKEKEDHVNRRNREHNENLNAEMQNLKQKFIIEQQEREKLQKELQIDSLQQEKELSSSLHQKLCFSFQEE  
 MVKEKNLFEELKQTLDELDKLQKQEEQAERLVKQLEEEAKSRAEELKLLKKEKAELEKSSAHTQ  
 ATLLLQEKYDSMVQSLEDVTAQFESYKALTASEIEDLKLSSSLQEKAAKAGKNAEDVQHQILATESSNQ  
 EYVRMLLDLQTKSALKETEIKEITVSFLQKITDLQNQLKQEEEDFRKQLEDEEGRKAEKENTTAELTEEI  
 NKWRLLYEELYNKTKPFQLQDAFEVEKQALLNEHGAAEQNLNKIRDSYAKLLGHQNLKQKIKHVVKLKD  
 ENSQLKSEVSKLRCLAKKKQSETKLQEELNKVLGIKHFDPKAFHHESKENFALKTPLKEGNTNCRAP  
 MECQESWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8070\\_h06.zip](https://cdn.origene.com/chromatograms/mk8070_h06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001142557

**ORF Size:** 1914 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\\_001142557.2](#)

**RefSeq ORF:** 1917 bp

**Locus ID:** 3161

**UniProt ID:** [O75330](#)

**Cytogenetics:** 5q34

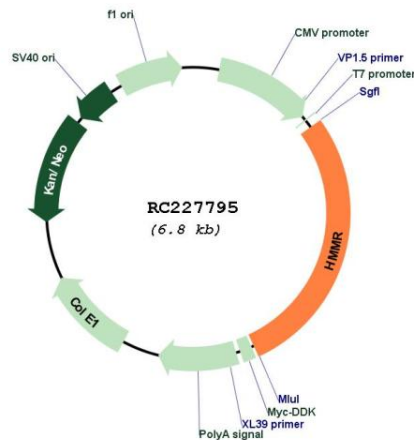
**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** ECM-receptor interaction

**MW:** 74.3 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC227795