

Product datasheet for **SC115375**

CD168 (HMMR) (NM_012485) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD168 (HMMR) (NM_012485) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD168
Synonyms:	CD168; IHABP; RHAMM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012485, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTTTCCTAAGGCGCCCTTGAACGATTCAATGACCCTTCTGGTTGTGCACCATCTCCAGGTGCTT
ATGATGTTAAAACTTTAGAAGTATTGAAAGGACCAGTATCCTTTCAGAAATCACAAGATTTAAACAACA
AAAAGAATCTAAACAAAATCTTAATGTTGACAAAGATACTACCTTGCCTGCTTCAGCTAGAAAAGTTAAG
TCTTCGGAATCAAAGATTTCGTGTTCTTCTACAGGAACGTGGTGCCAGGACAGGCGGATCCAGGATCTGG
AAACTGAGTTGAAAAAGATGGAAGCAAGGCTAAATGCTGCACTAAGGGAAAAAACAATCTCTCTGCAAAA
TAATGCTACACTGGAAAAACAATTATTGAATTGACCAGGACTAATGAACTACTAAAACTAAGTTTTCT
GAAAATGGTAACCAAGAAGATTTGAGAATTCTAAGCTTGGAGTTGATGAAACTTAGAAAACAAAAGAGAAA
CAAAGATGAGGGGTATGATGGCTAAGCAAGAAGGCATGGAGATGAAGCTGCAGGTCACCCAAAGGAGTCT
CGAAGAGTCTCAAGGGAAAATAGCCCACTGGAGGGAAAACCTGTTTCAATAGAGAAAGAAAAGATTGAT
GAAAAATCTGAAACAGAAAACTCTTGAATACATCGAAGAAATAGTTGTGCTTCAGATCAAGTGGAAA
AATACAAGCTAGATATTGCCAGTTAGAAGAAAATTTGAAAGAGAAGAATGATGAAATTTAAGCCTTAA
GCAGTCTCTTGAGGAGAATATTGTTATATTATCTAAACAAGTAGAAGATCTAAATGTGAAATGTCAGCTG
CTTGAAAAAGAAAAAGAACCATGTCAACAGGAATAGAGAACACAACGAAAATCTAAATGCAGAGATGC
AAAACCTAAAAACAGAAGTTTATTCTTGAACAACAGGAACGTGAAAAGCTTCAACAAAAAGAAATACAAAT
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GAAATGGTTAAAGAGAAGAATCTGTTTGAGGAAGAATTAAGCAAACACTGGATGAGCTTGATAAATTAC
AGCAAAAGGAGGAACAAGCTGAAAGGCTGGTCAAGCAATTGGAAGAGGAAGCAAAATCTAGAGCTGAAGA
ATTAACACTCCTAGAAGAAAAGCTGAAAGGGAAGGAGGCTGAACCTGGAGAAAAGTAGTGCTCATACC
CAGGCCACCTGCTTTTGCAGGAAAAGTATGACAGTATGGTGCAAAGCCTTGAAGATGTTACTGCTCAAT
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AAAACAGCTGGAAGATGAAGAAGGAAGAAAAGCTGAAAAAGAAAATACAACAGCAGAAATTAAGTGAAGAA
ATTAACAAGTGGCGTCTCCTCTATGAAGAACTATATAATAAAACAAAACCTTTTCAGCTACAACCTAGATG
CTTTTGAAGTAGAAAAACAGGCATTGTTGAATGAACATGGTGCAGCTCAGGAACAGCTAAATAAAATAAG
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GATGAAAATAGCCAACCTCAAAATCGGAAGTATCAAACTCCGCTGTCAGCTTGCTAAAAAAAACAAAGTG
AGACAAAACCTCAAGAGGAATTGAATAAAGTTCTAGGTATCAAACACTTTGATCCTTCAAAGGCTTTTCA
TCATGAAAGTAAAGAAAATTTGCCCTGAAGACCCATTAAAAGAAGGCAATACAACTGTTACCGAGCT
CCTATGGAGTGTCAAGAATCATGGAAGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012485 unedited
 NNGGTTCAAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGCCAGTC
 ACCTTCAGTTTCTGGAGCTGGCCGTCAACATGTCCTTTCTAAGGCGCCCTTGAAACGAT
 TCAATGACCCCTTCTGGTTGTGCACCATCTCCAGGTGCTTATGATGTTAAAACTTTAGAAG
 TATTGAAAGGACCAGTATCCTTTTCAGAAATCACAAGATTTAAACAACAAAAAGAATCTA
 AACAAAACTTAAATGTTGACAAAAGATACTACCTTGCTGCTTCAGCTAGAAAAAGTTAAGT
 CTTCCGGAATCAAAGATTCTGTTCTTCTACAGGAACGTGGTGCCAGGACAGGCGGATCC
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 CTAATGAACTACTAAAATCTAAGTTTTCTGAAAATGGTAACCAGAAGAATTTGAGAATTC
 TAAGCTTGGAGTTGATGAACTTAGAAAACAAAAGAAAACAAAGATGAGGGGTATGATGG
 CTAAGCAAGAAGGCATGGAGATGAAGCTGCAGGTCACCCAAAGGAGTCTCGAAGAGTCTC
 AAGGGAAAATAGCCCACTGGAGGGAAAACCTGTTTCAATAGAGAAAAGAAAAGATTGATG
 AANAATCTGAAACAGAAAACTCTTGAATACATCGAAGAAATTAGTTGTGCTTCAGATC
 AAGTGGAAAAATACAAGCTAGATATTGCCAGTTAGAAGAAATTTGAAGAGAAGATGATG
 AATTNNTAGCCTTAGCAGTCTCTTGAGGAGATATTGNTATATATCTAACAGNTAGAGAAC
 TAATG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012485 unedited
 GGCTTCTGTGATTTTTTTCATTTACACAAAGTTAATCAAATGCTGAGTAGACATGCAGA
 TGACAAGCAGTNATATGACAACTCTGAAGAAATAGTTACATGTAGAGTTTCTCAGATTT
 TTAGTGTATCTAAGAATTAAGTGAAGAGTTTGTAAAGAATGCAGGCTTAAAGCCCAATCC
 ACAGATTATAATTCATACAAACAGGATGGAGCCTAAGAACCTGTAAATTATTAACAAC
 TGATTAATAAATAGAGAGGTTTCTATGAAGTTAGGCTTGTCCTTATTTCTATTTGAACTG
 GACAAGTAGAAGGATAATAGGTAGGACCAAGTGAGCATTATCAGAATCAAAGTAGAGGCA
 ATAACAAGCCAAGGTGTTTTAGCCTAGCTAAAGAAGCTCAGACTAGAAAAGACCTCCAGG
 ATCAAGCTGAAGAATCTGGGGTTTAGACTCTTGAACTAAGGTTTCAGAACAGGAGGATA
 ATAATATGATACTGACTTTTAAAGTTGATGAGATGCATTCTAAGCTGGAAGCCAGCGAAA
 GGGTTCAGAATGAGGTGATAAAGGTGAGCATTAGGGAGGAGGTATTTGCAAGAAAAATA
 AAATGTCAAAGACACTTTGGTAAAAAATGTTCTTTTACATATTTAAGGATTGGCAGTT
 AAAATTAATAACAACATTATAAAATACCCATGTCAAATATAATAACAGCAACATCAATAA
 CAACAAGACGAATGAAATAATCTTCAACAGGTTTCTCAGATGTTTACTTCCATGATTCTT
 GACACTCCATAGGAGCTCGGGGTACAGTTGATTGCCTCTTTTATGGNNGGTCTCAGGN
 CANAATTTTCTTACTTTTATGATGAANAGCCTTTGAGGATCAAAGTGTGTTGATACCTAG
 AAATTTTCAATNCTNCTGAAGTNTGNCTCACTNTGTTTTTTTTAGCAGCTGACAGCG
 AGTTTGAATCTTCGATNGATGGCTATTTTCACTTCAACTTACACAGCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_012485

Insert Size:

3000 bp

OTI Disclaimer: 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.

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](#)

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_012485.1](#), [NP_036617.1](#)

RefSeq Size: 2957 bp

RefSeq ORF: 2130 bp

Locus ID: 3161

UniProt ID: [O75330](#)

Cytogenetics: 5q34

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: ECM-receptor interaction

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]

Transcript Variant: This variant (3) is missing an in-frame coding exon compared to transcript variant 1, resulting in an isoform (c) which lacks an internal 16 aa segment compared to isoform a.