

Product datasheet for **SC338018**

KIAA1199 (CEMIP) (NM_001293304) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | KIAA1199 (CEMIP) (NM_001293304) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CEMIP |
| Synonyms: | CCSP1; HYBID; KIAA1199; TMEM2L |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001293304, the custom clone sequence may differ by one or more nucleotides |

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ATGGGAGCTGCTGGGAGGCAGGACTTCCTCTTCAAGGCCATGCTGACCATCAGCTGGCTCACTCTGACCT
GCTTCCCTGGGGCCACATCCACAGTGGCTGCTGGGTGCCCTGACCAGAGCCCTGAGTTGCAACCCTGGAA
CCCTGGCCATGACCAAGACCACCATGTGCATATCGGCCAGGGCAAGACTGCTGCTCACCTCTTCTGCC
ACGGTCTATTCCATCCACATCTCAGAGGGAGGCAAGCTGGTCATTAAGACCACGACGAGCCGATTGTTT
TGCGAACC CGGCACATCCTGATTGACAACGGAGGAGAGCTGCATGCTGGGAGTGCCTCTGCCCTTTCCA
GGCAATTTACCATCATTTTGTATGGAAGGGCTGATGAAGGTATTCAGCCGGATCCTTACTATGGTCTG
AAGTACATTGGGGTTGGTAAAGGAGGCGCTCTTGAGTTGCATGGACAGAAAAAGCTCCTCGGACATTTT
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AGATCCAAGAAAGAGAGTGAACGCTCTGGTCCAGTATTTGAACGCGGTGCCGATGGCAGGATCCTTTCTG
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CAAAGTGGCAGGAAACCAATGTACCTGCACATCGGGGAGGAGATAGACGGCGTGGACATCGGGGCGGAG
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ACACTTGGAGGGCACGGAGCTGAAGCATATGGACAGCAGCTGGTGGGTGAGTACCCGATTCACCTCCAC
CTGGCCGGTGATGTAGACGAAAGGGGAGGTTATGACCCACCCACATACATCAGGGACCTCTCCATCCATC
ATACATTCTCGCTGCGTCACAGTCCATGGCTCCAATGGCTTGTGATCAAGGACGTTGTGGGCTATAA
CTCTTTGGGCCACTGCTTCTTACGGAAGATGGGCCGGAGGAACCAACTTTTGACCACTGTCTTGGC

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CTCCTTGTCAAGTCTGGAACCTCCTCCCCTCGGACCGTGACAGCAAGATGTGCAAGATGATCACAGAGG
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 AGGGGACTGGATCCGAGTGGGGCTCTGCTACCCGCGAGGCACCACATTCCTCATCTCTCGGATGTTCA
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 CAGAGTACCCTGGCAGGAGCCACTACTACTGGGACGAGGACTCAGGGCTGTTGTTCTGAAGCTGAAAG
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 GATTCCAAAGAACGACGGCGTCACTGACTGCACAGCCACAGCTTACCCCAAGTTACCCGAGAGGGCTGTC
 GTAGACGTGCCGATGCCAAGAAGCTCTTGGTTCTCAGCTGAAAACAAAGGACCATTTCTGGAGGTGA
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 CACACGAGCTTCCAGAACTCCATTCTGCAAGGCATACCATGGCAGCTTTCAACTATGTGGCGACCATCC
 CTGACAATTCCATAGTGCTTATGGCATCAAAGGGAAGATACGTCTCCAGAGGCCCATGGACCAGAGTGT
 GGGAAAGCTTGGGGCAGACAGGGGTCTCAAGTTGAAAGAGCAAATGGCATTGTTGGCTTCAAAGGCAGC
 TTCGGCCCATCTGGGTGACACTGGACTGAGGATCACAAAGCCAAAATCTTCCAAGTTGTGCCATCC
 CTGTGGTGAAGAAGAAGAAGTTGTGA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001293304
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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).

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| 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: | NM_001293304.1 , NP_001280233.1 |
| RefSeq Size: | 7227 bp |
| RefSeq ORF: | 4086 bp |
| Locus ID: | 57214 |
| UniProt ID: | Q8WUJ3 |
| Cytogenetics: | 15q25.1 |
| Gene Summary: | <p>Mediates depolymerization of hyaluronic acid (HA) via the cell membrane-associated clathrin-coated pit endocytic pathway. Binds to hyaluronic acid. Hydrolyzes high molecular weight hyaluronic acid to produce an intermediate-sized product, a process that may occur through rapid vesicle endocytosis and recycling without intracytoplasmic accumulation or digestion in lysosomes. Involved in hyaluronan catabolism in the dermis of the skin and arthritic synovium. Positively regulates epithelial-mesenchymal transition (EMT), and hence tumor cell growth, invasion and cancer dissemination. In collaboration with HSPA5/BIP, promotes cancer cell migration in a calcium and PKC-dependent manner. May be involved in hearing.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p> |