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Product datasheet for MC224329

Cemip (NM_030728) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cemip (NM_030728) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cemip
Synonyms:	12H19.01.T7; 6330404C01Rik; 9930013L23Rik; AY007814; Kiaa1199
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224329 representing NM_030728 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGAGCTTCTGGGAGGCACGATGTCTCCCTCAAGATTGTGCTGGCCACGGGCTGCCTCCTCCTGGCCA ACTTCTCAGGGGCCTCATCTGCAGTGGCAACTGAGTGTCCTGATCAGAGTCCTGAGCTGCAGCCTTGGAG CCCTGGCCATAACAGAGACTATCAAGTACACATTGGCCATGGCAGGAAACTACTGCTCACCTCTTCTGCC ACAGTCCACTCCATCACTATCTCAGGGGGAGGAAAGCTTGTCATTAAAGACCACCATGAGCACATTGTGC TGCGTACCCGGTACATCCTGATTGATGACGGTGGAGAGCTGCATGCTGGGAGTGCCCTTTGCCCTTTTGA GGGCAATTTCAGTATTGTGCTGTATGGAAGGGCTGATGAAAACATCCTGCCAGACCCTTACTATGGCCTG AAGTACATCGGAGTAGACAAAGGAGGCACTCTTGAATTACATGGGCAGAAAAAGCTTTCCTGGACTTTTC TAAACAAGACCCTTCATCCTGGTGGCATGCAGGAGGGAGGATATTTTTTTGAAAGGAGCTGGGGCCACCG TGGAGTCATTGTCCATGTCATTGATGCCAAATTGGGCACAGTTGTCCATTCTGACCGGTTTGACACTTAC AGATCCAAAAAAGAGAGTGAACGTCTGGTCCAGTATTTGAATGCAGTGCCCGATGGCAGGATTCTTTCTG TCGCAGTGAATGATGAAGGCTCTAGAAACCTGGATGACACAGCCCGGAAGGCAATGACCAAACTGGGCAG CAAGCACTTCCTCCACCTTGGATTTAGACACCCTTGGAGCTTCATCACTGTGAAAGGAAATCCCTCCTCT TCAGTTGAAGACCACATTGAATACCATGGTCACAAAGGCTCGGCTGCTGCCCGGGTTTTCAAACTGTTCC AGACAGAGCATGGTGAACATTTCAATGTTTCTTCATCCAGCGAATGGGTTCAAGATGTGGAATGGACAGA GTGGTTTGACCATGATAAGGTGCCTCAGAGCAAAGGTGGGGAGAAAATTTCAGATCTGCGAGCAGCTTAC CCAGGAAAAATCTGCAATCGACCCATTGATATACAGGCCACAACAATGGATGGAGTCGCCCTCAGCACTG AGGTTGTCTACAAAAATGGCCAAGATTACAGGTTTGCTTGCTACACCCGGGGCAGAGCCTGCCGAAGCTA TCGAGTGCGATTCTTATGTGGAAAACCCGTGAGGCCCAAGCTCACGGTTAGCATCGACACCAACGTAAAC AGCACCATCCTGAGTCTGGTGGACAATGTGCGGTCATGGAGGCCTGGAGACACCCTGGTTGTTGCCAGCA CTGACTATTCGATGTACCAGGCAGAAGAGTTCCGGGTGCTCCCCTGCAAAGCTTGCACCTCTACACAGGT CAAGGTGGCAGGGAAACCACAGTACCTACATATTGGGGAGGAGATTGATGGTGTAGACATGCGGGCTGAG GTCGGACTCCTGACTCGGAACATTGTGGTGATGGGGGAGATGGAGGACAGATGCTACCCCTACACCAATC

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ACATCTGTGACTTCTTTGACTTCGATACCTTTGGGGGCCACATCAAGTTTGCACTGGGGTTTAAAGCAGC
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CTGTGGTGAGAAAGAAGAAGCTGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_030728

Insert Size: 4086 bp

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).
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_030728.4, NP_109653.3
RefSeq Size:	7114 bp
RefSeq ORF:	4086 bp
Locus ID:	80982
UniProt ID:	Q8BI06
Cytogenetics:	7 48.35 cM
Gene Summary:	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. [UniProtKB/Swiss-Prot Function]