

Product datasheet for MC205820

Ccm2 (NM_146014) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccm2 (NM_146014) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccm2
Synonyms:	BC029157
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC029157

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CAGTGGGGCTCCCGGGGGGGCCCGGGGGCCGACGCGGCGACATGGAGGAGGAGGGCAAGAAGGGCAA
GAAGCCTGGAATTGTGTGCCATTTAAACGAGTATTCTAAAAGGTGAAAAGAGTAGAGATAAGAAAGCC
CATGAGAAGGTGACAGAGAGGCGCCCTCTGCACACTGTGGTGCTGGCGTTACCTGAGCGCGTCGAGCCAG
ACAGACTGCTGAGCGACTATATTGAGAAGGAGGTGAAGTATTTAGGTCAGTTAACATCCATTCCCGGCTA
CCTGAACCCTTCCAGTAGGACGAAATCCTGCATTTTCATAGACAAGGCAAAGCGGTCCCACCAGTTCCT
GGGCACCTGACTCAGGAGCACGATGCTGTGCTCAGTCTGTCTGCCTACAATGTCAAGTTGGCCTGGAGGG
ACGGGGAGGACATTATCCTCAGGGTGCCCATCCATGATATCGCTGCTGTCTCCTATGTCCGAGATGATGC
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CACCTGTGCTGCACAGTGATGACTCTTCCACGAAAGTGGACATGAAGGACAGTTACGATGCTGACGCCA
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GAGCCAGTCTGCCGGCCTGGCCCTGGACAGCTGATATTTGCACATGACTTTCCTTCTACTTCTCAGA
GACCTTAAAAACAAGTTTACTACAATGTGAATAATTTAAAAA

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Restriction Sites:	RsrII-NotI
ACCN:	NM_146014
Insert Size:	1362 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:	<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:	<u>BC029157</u> , <u>AAH29157</u>
RefSeq Size:	1799 bp
RefSeq ORF:	1362 bp
Locus ID:	216527
UniProt ID:	<u>Q8K2Y9</u>
Cytogenetics:	11 A1
Gene Summary:	<p>Component of the CCM signaling pathway which is a crucial regulator of heart and vessel formation and integrity. May act through the stabilization of endothelial cell junctions. May also function as a scaffold protein for MAP2K3-MAP3K3 signaling. Seems to play a major role in the modulation of MAP3K3-dependent p38 activation induced by hyperosmotic shock. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>