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Product datasheet for MC205795

Cavin2 (NM_138741) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cavin2 (NM_138741) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cavin2
Synonyms:	Sdpr
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC027005
CTCGGGCTTGTGCGGAGTGTGGCTAGGAAGTGTGTGCTTGTCACTGAACCCTGAGTGGGTCCTGTAACCT
TTGCCTTCCACTGGGTGGAGCAGGTCCTTTAAGAGCAACTGGAATGCAGTTCCCCTGATCAGCTTAGCCA
GTTATTCAAAACCTCTGCTAGCCCTAGAGAGCAGTGCTCACTTCAGACCAACCAGCCTCCTGTGCTTCTA
GCTTGAGCAAGAAGTTTCCAGCGGGGAAGTAAGTTTCTAGCTGCCCAGCCATGGGAGAGGACGCTGCACA
GGCAGAAAAGTTCCAGCATCCAAACACAGACATGCTCCAGGAGAAGCCATCCAGCCCCAGCCCAATGCCT
TCCTCCACACCGAGCCCCAGCCTGAACCTGGGGTCCACAGAGGAGGCCATCCGAGACAACTCGCAGGTGA
ATGCTGTCACCGTGCACACACTCCTGGATAAATTGGTCAACATGCTGGACGCCGTGAGGGAGAACCAGCA
CAACATGGAACAGCGTCAGATCAACCTGGAGGGCTCGGTGAAGGGCATCCAGAACGACCTCACCAAGCTC
TCCAAGTACCAGGCCTCCACCAGCAACACAGTGAGCAAGCTGCTAGAGAAGTCTCGCAAGGTCAGCGCTC
ACACGCGGGCTGTCCGGGAGCGCCTCGAGAGGCAGTGTGTCCAGGTGAAGAGACTGGAGAACAACCACGC
CCAACTCCTCCGACGCAACCACTTCAAAGTGCTCATCTTCCAGGAAGAAAGTGAGATCCCTGCCAGTGTG
TTTGTGAAGGAGCCAGTTCCCAGCGCTGCAGAAGGCAAGGAGGAGCTTGCTGATGAGAACAAGTCCCTGG
AGGAAACTCTGCACAACGTGGACCTCTCCTCTGATGACGAATTGCCCCGTGATGAGGAAGCCCTGGAAGA
TAGTGCAGAAGAGAAGATGGAAGAAAGCAGGGCAGAAAAAATAAAAAGATCCAGCCTCAAGAAAGTCGAT
AGCCTCAAGAAAGCGTTTTCTCGTCAGAACATCGAGAAAAAGATGAACAAGCTGGGAACCAAGATCGTAT
CTGTTGAGAGGAGAGAAAAGATTAAGAAATCGCTCACACCCAACCACCAGAAAGCATCTTCTGGGAAAAG
CTCCCCCTTCAAGGTTTCTCCCCTCTCCTTTGGTCGTAAGAAAGTCCGAGAGGGAGAAAGCTCTGTAGAA
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AAGCATCCCTCCCCAGTGGCCTGATGGAGGGCAGCGCAGAAGATGCTGAGAAATCAGCAAGGAGAGGGAA
CAACTCAGCCGTGGGCAGTAATGCGGATCTGACCATTGAGGAAGATGAAGAAGAGGAGCCGGTAGCCCTG
CAGCAGGCCCAGCAGGTGCGCTATGAGAGTGGCTACATGCTCAACTCCGAGGAGATGGAGGAACCCAGTG
AGAAACAGGTCCAGCCAGCTGTGCTGCATGTGGATCAGACTGCCTGAGTGCACAGCCAGAACACTGGGCC
AGTGCATCCACCTCGTGGAAGCCACCCCGCACCTCTTCATCTCTACCTGCTCCCTACTGTGACTGTCCAG
GCCTTAATCACTGACCGTACAGTAGCCTCAATGGGATCACAGAAACAAACTGCCAGGAATCCCATTTCTA
ATTTGCTCATAGGTTCTATTTCTGTAGAGTTTCTCCAAGATTGCAAAAAGAAAGAAATGGAGCAGTTAAA
AAAAAAATCAACTATCTCTTTGGCTTAGTCAGAAAAACTGGAGGATATTTAAGTTAGTAGTTATAAAAAG
TGATTTTTTTTTTGGTCATTCTATCAGCTTGCTGAATAGTGTAGCAGTAATGTAGTGAATTCTTACTGTA
TTCTGTGAATGATTATTCTTCAAGTATGTGATATGGAATATACATAAGTCTGTAAGCTGAGAATATAACT
CTTTATTTTAAGAAGAAAACATTTACAAAAGATAAAGCTGAAGGACCAGCTGGTTATTCTCTTATAGAAA
CCATTGTTTGTTGTAAGGGGGCTGAAAGACGGTGCTGATGGTAAGCTAATAGCACCAGGACTGCTGAGAT
AGAAAATTAAGATGAAAAGGTTGGAAAGTGGGAGAAATGGAGAACAAAGAATGCCAAAAATAATGATGAC
AAAGAGAAAAAAAAAAAGATGTGCTTAAAAAGTGAACTACTAACATTTTAAAACTTATTTTGCTCTTTAAC
AATACTAAAGAAGTTCATATGTCTTGCAAAAATATATCTTATCTTCCCAATATTTTTATAGTCTAGTATT
ATAACCTAACCAGATGTTCTGATGTAAAAACTATGGTTCTTTTCACTAAATAAATGGCAGTACACATCTT
TTTGTGAAGAAGCTCAAAATAATATTGTCTCTTTAACATTGGAACAAGTGTAAGTCTCAAATAAGTAGTA
TGTACTGTTTTATGGGGATGTCAATCAAATGATTATTCAATATTTTTCACTTTGAAGTGACCTTTCCATT
CCAAATATGATATAGGTTTAGGAGGTATTCAAACTTGCATGTTTAAGAACAGTAAAAGCCTGGGTTTTCT
TTAAACACATAATGGTAATTTCAATCCAGGTAATGTTTTATTTATACATTAATTTCACAGGATATTAATG
GTTTAGATTATAAAAGCATGCTAGTATTTTATTTCATGTGTACATTTGCTCTAACATACTACTTAAAAGT
TGCTTTATCTATTTTTCATTACAAAATGCCAATGCTTTGTTATATTGTAGTCTGAAGATGAGAGACCCAG
GGCTCGAACTCTCTACTCTTACTGCGCAGTAGCACAAGTGATCCTACACACAGTGGTGACTAGGCAGCAG
TCCTGGGCTGCACTCTGACTTTCAGAGAAGGAGTGAGGTGAATAATGGGTGTTGATGGTGTAACCTCTTC
AGCTGTGTTCCTGTACTGCAATTAATGTAACCCCAAATACTGAATTGCTGAACTAACCATGCCTGTGTGA
AAGAAGATTAAATAAACCAAAAATAAAAAGTATATAACAATGTCAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_138741

Insert Size: 1257 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:	BC027005, AAH27005
RefSeq Size:	3069 bp
RefSeq ORF:	1257 bp
Locus ID:	20324
UniProt ID:	Q63918
Cytogenetics:	1 C1.1
Gene Summary:	Plays an important role in caveolar biogenesis and morphology. Regulates caveolae morphology by inducing membrane curvature within caveolae (By similarity). Plays a role in caveola formation in a tissue-specific manner. Required for the formation of caveolae in the lung and fat endothelia but not in the heart endothelia. Negatively regulates the size or stability of CAVIN complexes in the lung endothelial cells (PubMed:23652019). May play a role in targeting PRKCA to caveolae (By similarity).[UniProtKB/Swiss-Prot Function]