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Product datasheet for MC223409

Vcl (NM_009502) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vcl (NM_009502) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vcl
Synonyms:	9430097D22; AA571387; AI462105; AW545629
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223409 representing NM_009502
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGTGTTTCACACGCGTACGATCGAGAGCATCCTGGAGCCGGTGGCGCAGCAGATCTCGCACCTGG
TGATTATGCACGAGGAGGGCGAGGTGGACGGCAAAGCCATTCCTGACCTCACCGCGCCCGTAGCCGCCGT
GCAGGCGGCCGTCAGCAACCTCGTCCGGGTTGGAAAAGAGACTGTTCAGACCACTGAGGATCAGATTCTG
AAGAGAGATATGCCACCAGCCTTTATTAAGGTTGAAAATGCTTGCACCAAGCTTGTTCAGGCAGCCCAGA
TGCTTCAGTCAGACCCATACTCGGTTCCTGCGCGGGATTACCTCATTGACGGCTCTAGGGGAATCCTTTC
TGGCACATCTGACCTACTGCTTACCTTCGATGAGGCTGAGGTTCGTAAAATTATTAGGGTTTGCAAAGGA
ATTTTGGAATATCTTACAGTGGCAGAGGTAGTGGAAACTATGGAAGACTTGGTCACTTACACAAAGAATC
TTGGGCCAGGAATGACTAAGATGGCCAAAATGATTGATGAGAGACAGCAGGAGTTGACTCACCAGGAACA
CCGTGTGATGTTGGTGAACTCAATGAACACTGTCAAAGAGCTGCTTCCTGTTCTCATTTCAGCTATGAAG
ATTTTTGTTACAACCAAAAACTCAAAAAACCAAGGAATAGAAGAAGCTTTGAAAAATCGAAATTTTACTG
TAGAAAAGATGAGTGCTGAAATTAACGAGATCATTCGTGTGTTACAACTCACTTCCTGGGATGAAGATGC
CTGGGCCAGCAAGGACACTGAAGCCATGAAGAGAGCGCTGGCGTCCATAGACTCCAAATTGAACCAGGCC
AAAGGTTGGCTCCGTGACCCCAATGCCTCCCCAGGGGATGCTGGAGAGCAGGCCATCAGGCAGATCTTAG
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GCTAGGGCAGATGACTGACCAAGTGGCTGACCTCCGAGCCAGAGGACAAGGAGCTTCCCCAGTGGCCATG
CAGAAGGCCCAGCAAGTGTCTCAGGGGCTCGACGTGCTTACCGCCAAAGTGGAGAATGCAGCTCGGAAGC
TGGAAGCCATGACGAACTCAAAGCAGAGCATTGCAAAGAAGATTGATGCTGCCCAGAATTGGCTGGCGGA
TCCAAATGGTGGACCTGAGGGAGAAGAACAGATTCGAGGGGCTTTGGCTGAAGCTCGGAAGATTGCAGAA
TTATGTGATGATCCTAAGGAGAGAGATGACATCCTCCGCTCCCTTGGAGAGATAGCTGCTCTGACCTCTA
AACTAGGAGACTTGCGAAGACAGGGGAAAGGAGACTCGCCAGAGGCTCGAGCCTTGGCTAAACAAGTGGC
GACGGCACTACAGAACCTGCAGACCAAAACCAACAGGGCCGTGGCCAACAGCAGACCTGCCAAAGCAGCT
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GTCCACCTCGAGGGCAAGATTGAACAGGCGCAGCGGTGGATTGATAACCCCACAGTAGATGACCGTGGAG
TCGGTCAGGCTGCCATCCGTGGACTTGTGGCTGAGGGGCATCGGCTGGCCAATGTCATGATGGGACCTTA
TCGCCAAGATCTTCTTGCCAAATGTGACCGTGTAGACCAGCTAACAGCTCAGCTGGCTGACCTGGCTGCC
CGAGGGGAGGGGGAGAGTCCTCAGGCGAGAGCACTTGCATCCCAGCTTCAGGACTCCTTAAAGGATCTTA
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GCTGTTGGCAGTAGCCGCCACTGCTCCTCCTGATGCACCCAATAGGGAAGAGGTATTTGATGAAAGGGCA
GCCAATTTTGAAAACCATTCAGGAAGGCTTGGAGCCACAGCAGAGAAGGCGGCTGCTGTTGGTACTGCCA
ATAAATCGACAGTGGAAGGCATTCAGGCATCTGTGAAGACAGCCCGAGAACTCACTCCCCAGGTCATCTC
CGCTGCTCGGATCTTACTGAGGAACCCTGGTAACCAGGCTGCTTATGAACATTTTGAGACCATGAAGAAC
CAGTGGATTGATAATGTTGAAAAAATGACAGGGCTGGTGGACGAGGCTATTGATACCAAGTCTCTGTTGG
ATGCTTCTGAAGAAGCAATTAAAAAAGACCTGGACAAGTGTAAGGTAGCCATGGCCAATATTCAGCCTCA
GATGCTGGTCGCTGGAGCAACCAGTATTGCTCGTCGGGCCAACCGGATTCTGCTGGTTGCTAAGAGGGAG
GTAGAGAACTCTGAGGACCCGAAGTTCCGAGAGGCTGTGAAAGCTGCCTCTGATGAACTGAGCAAAACAA
TCTCCCCCATGGTGATGGATGCCAAGGCTGTGGCTGGAAACATCTCTGACCCTGGCCTGCAAAAGAGCTT
CCTGGACTCAGGATATCGGATCCTGGGAGCTGTGGCCAAGGTCAGAGAAGCCTTCCAACCTCAGGAGCCT
GACTTCCCGCCTCCTCCACCAGACCTTGAACAGCTACGACTAACTGATGAGCTGGCTCCTCCTAAGCCAC
CTCTGCCTGAGGGTGAAGTCCCTCCACCCAGGCCCCCACCACCAGAAGAGAAGGATGAAGAGTTCCCTGA
GCAGAAAGCTGGTGAGGTGATTAACCAGCCAATGATGATGGCCGCCAGGCAGCTCCACGATGAAGCTCGG
AAATGGTCTAGCAAGGGCAATGACATCATTGCAGCAGCCAAGCGCATGGCTCTGCTGATGGCAGAGATGT
CTCGGCTGGTAAGAGGGGGCAGTGGTACCAAGCGGGCACTTATTCAGTGTGCCAAGGATATCGCCAAGGC
CTCTGATGAGGTGACGAGGTTGGCCAAGGAGGTTGCCAAGCAGTGCACAGATAAGCGGATTAGAACCAAT
CTCTTACAGGTATGCGAGCGAATCCCAACTATAAGCACCCAGCTCAAAATCCTATCCACAGTGAAGGCCA
CTATGCTGGGCCGGACCAACATCAGTGATGAGGAGTCTGAGCAGGCCACAGAGATGCTGGTTCATAATGC
CCAGAACCTCATGCAGTCTGTGAAGGAGACTGTGCGAGAGGCTGAAGCTGCTTCAATCAAAATCCGAACA
GATGCTGGCTTTACTCTGCGCTGGGTCAGAAAGACTCCCTGGTACCAGTAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_009502

Insert Size: 3201 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_009502.4, NP_033528.3

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RefSeq Size:	5229 bp
RefSeq ORF:	3201 bp
Locus ID:	22330
UniProt ID:	Q64727
Cytogenetics:	14 11.53 cM
Gene Summary:	Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion (By similarity).[UniProtKB/Swiss-Prot Function]

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