

Product datasheet for MR211572

Vcl (NM_009502) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vcl (NM_009502) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vcl
Synonyms:	9430097D22; AA571387; AI462105; AW545629
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211572 representing NM_009502 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTGTTCACACGCGTACGATCGAGAGCATCCTGGAGCCGGTGGCGCAGCAGATCTCGCACCTGG
TGATTATGCACGAGGAGGGCGAGGTGGACGGCAAAGCCATTCTGACCTCACCGGCCCGTAGCCGCCGT
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TGCTTCAGTCAGACCCATACTCGGTTCCGCGGGGATTACCTCATTGACGGCTCTAGGGGAATCCTTTT
TGGCAGATCTGACCTACTGCTTACCTTCGATGAGGCTGAGGTTGCTAAAATTATTAGGGTTGCAAAGGA
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TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211572 representing NM_009502
Red=Cloning site Green=Tags(s)

MPVFHTRTIESILEPVAQQISHLVIMHEEGEVDGKAIPDLTAPVAAVQAAYSNLVRVGKETVQTTEDQIL
KRDMPFAFIKVENACTKLVAQAQMLQSDPYSVPARDYLIDGSRGILSGTSDLLLTFDEAEVRKIIRVCKG
ILEYLTVAEVETMEDLVTYTKNLGPGMTKMAKMIDERQQELTHQEHRVMLVNSMNTVKELLPVLISAMK
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KGWLRDPNASPGDAGEQAIRQILDEAGKVGELCAGKERREILGTCKMLGQMTDQVADLRARGQGASPVAM
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ANFENHSRGLGATAEKAAAVGTANKSTVEGIQASVKTARELTPQVISAARILLRNPQNQAAYEHFETMKN
QWIDNVEKMTGLVDEAIDTKSLLDASEEAIKKDLKCKVAMANIQPQMLVAGATSIARRANRILLVAKRE
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DFPPPPDLEQLRLTDELAPPKPLPEGEVPPRPPPEEKDEEFPEQKAGEVINQPMMAARQLHDEAR
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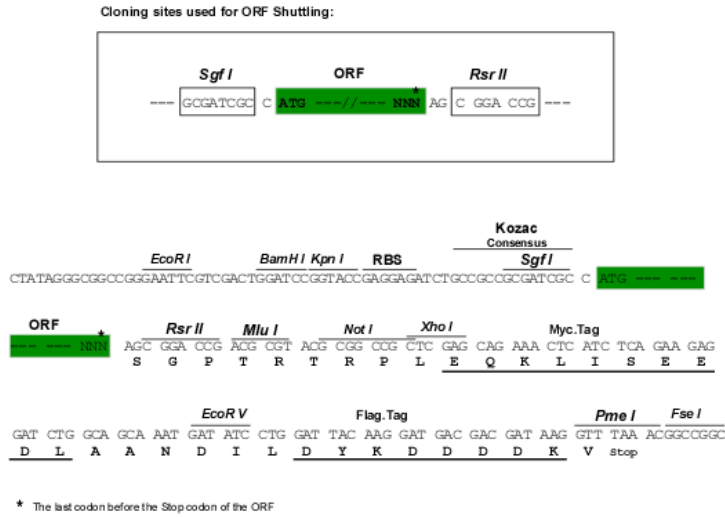
SGPTRRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9046_f02.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_009502

ORF Size: 3198 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_009502.5](#)

RefSeq Size: 5229 bp

RefSeq ORF: 3201 bp

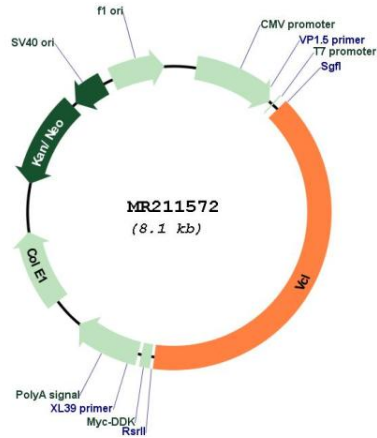
Locus ID: 22330

UniProt ID: [Q64727](#)

Cytogenetics: 14 11.53 cM
 MW: 117.2 kDa

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]

Product images:



Circular map for MR211572