

Product datasheet for **RR209460**

Vezt (NM_001006984) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vezt (NM_001006984) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vezt
Synonyms:	MGC94969
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR209460 representing NM_001006984
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACACCGGAGTTTGACGAAGAGGTGGTTTTTGAGAATTCTCCACTTTACCACTACCTACAGGATTGG
 GACACACAGATTTGAAATATGTTCTTCTTTGTACCAAAAACAGAAACATGCTTGACAACAGAGGAACC
 TCAGACGCCTCCACAGAGTCTACAGAAACAAGGCATCCTGTTGAAACTGACAGAAACCATCAAGAGT
 TGGACTCTTCTCTCAGTACAGTAAGAAAGATGACTTACTCCACAAGCTGGACACCGGGTTTCGACTGG
 ACGCACTGGACGCCATCTGCAACAGGAAGTCTGCTCCAAGAGGATGTGGAGCTGATTGAGCTGCTTGA
 TCCCAGCATCCTGTCTGCAGGGCACCCGCAACAGGAAATGGACACCTTCCAACACTCTGCTCCCTGGCA
 ACCCTAACATTTGGGATGTCTCCATGCTGTTGCCTTCATTAGTCTGCTCATCATGCTTCCACGTGGT
 GGATTGTGCTTCTCTGGCTGGTATGGGAATAATTCTATTTCTTACTTGATCATACGAGTCTTGAAATT
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 GATTTACTCTTTTGCTTGACAGGGTCAGTGCTGCTTGCTCATTTAATAAGGCTGCACAGCATCCAGCCA
 GCATCTCATCGGCCTTCGGAAGCCGTCTACAGGACCGTACGAGCCAACCTTCAAGCCGCAAGGCTAGCT
 ACCCTGTACATGCTGAAAACTACCCCTGAACCTGAGAGTGACAATGTACCAACTACATCTGTGTGG
 TACCTTTTAAGGAGCTGGGGCTCGGACTCAGTGAAGACAGATATCAGAAGAGGAAGCCCGAACCTGAC
 GGATGGCTTACGCTGCCAGCCTTGAAGGTTTTGTTCCAACCTCTGGGTGGCAGAGTTCAGAGTTCTTC
 AGACGCCTAGCTCTGCTACTTTCCACAGCAAATTCGCCTTCTGGGCCCTTACTGACTGCTGCACTCTTG
 CTCATCGTATTCTCTGATGTGACTCAAGGTCTACCTCATGCTCACACTGCCTGCTTGGACGAGCTAAA
 GCGCAGCTATGAGTTCTTTCGGTACTTTGAAACTCAGCACCAGTCAGTCCCTCAGCGCTTACCCAAAACC
 CAGCCGAAGTGGAGAGAGCTGAACAACGTCACACGGCAGTGCGCAGCTTACAGTCCATCTGAAAGCGC
 TGCTGAATGAAGTAATAATTCTTGAAGATGAACCTGAGAAGCTCGTTTGTACTAAAGAAACCCAAGAGCT
 GCTGTGAGAGGCTTATCCAGTCTAGAGCAGAGATTAAGCTAATCGAGCCACATGTTACAGGCCAGCAAC
 AGCTGCTGGGAAGAAGCCATCTCCAAGTGGACAGACTGCTCCGGAGGAATACAGATCAAAAAGGCAAGC
 CTGGAGTAGCGTGTGAGAACCACACTGCACCGCGGCCCTTGTGCGGCCGACGCTACACATTGAGGA
 CAGAGACCCCATCCCTGAGGAGCAGGAATTAGAAGCTTATGTGGATGGCATAGACATAGAAAGTGAGTTC
 CGAAAGGACAGTTTGTATCACGTGTCGAGGAAGACAGAGAGAGACAGAAGCGTGAGCAGGAGGAGTCCA
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 GCAACTTCTGTTCAAGTACCACGCTGTGTTGAAATCCTTGCTCCTGTAGAGCCAGTGGAATCTGTAAGT
 AACTCAGAGACACCCATGAATTCAGATACAGAACAGGCCCATAGCGAGGCTACAGAAGAGGAGACTAGTA
 AGCCCTGTGCGAGCGACAAGGAAGACACTAGGACTGAGTATATGTGTGATGGCCCTCAAAGGGGCAGAG
 CAAAGACACCTCTGGAGACCAAGGCCACCTCCTCAAGGAGCCACCAAGTGTGAGAGCGAGGCCAAGCCT
 CCTCAGGCTGCTGCTGCAGGGGCCACGCCCTCCAACCTCCAGGAGTCAACCCGGCTCTCCATTAAGC
 AGAGGCTGGCTCGACTCCAGTTGTCACCAGAATACACCTTCACTGCTGGCCTGGCTGCGGAAGTGCCCGC
 CAGGTCTCTGCTTTACCACCATGCAGGAACAGACTTTTGGCGACGAGGAGGACGAGGACAAAGAACAG
 CTAGTTGAAGGAGGTGAAAGGGAGCTGGAGGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209460 representing NM_001006984

Red=Cloning site Green=Tags(s)

MTPEFDEEVVFENSPLYQYLQDLGHTDFEICSSSPKTETCLTTEEPQTPPTRVLQKQGILLKL TETIKS
 WTLSSQYSKKDDLLHKLDTGFRDLDAILOQEVLLQEDVELIELLDPSILSAGHPQQENGHLPTLCSLA
 TPNIWDVSMLFAFISLLIMLPTWWIVSSWL VWGII LFLYLIIRVLKFWRTAKLQMTLKKYRVRLDMAAN
 SRAFTNLVRKSLRLIQETEVISRGFTLLLDVSAACSFNKAHQHPSQHLIGLRKAVYRTVRANFQAARLA
 TLYMLKNYPLNSESDNVTNYICVVPFKELGLGLSEDQISEEEARNLTDGFSLPALKVLFQLWVAQSSEFF
 RRLALLLSTANSPSGPLLTAALLPHRILSDVTQGLPHAHTACLDELKRSYEFFRYFETQHQSVPQRLPKT
 QPKWRELNNVHTAVRSLQLHLKALLNEVIILEDELEKLVCTKETQELLSEAYPVLEQRLKLIIEPHVQASN
 SCWEEAISQVDRLLRRNTDQKGKPGVACENPHCTAAPLLRPTLHIEDRDPPIEEQELEAYVDGIDIESEF
 RKDSL YHVSQEDRERQKREQEESKRVLQELKSVLGFKASEAERQKWKQLLFSHAVLKSLSPEVPVESVS
 NSETPMNSDTEQAHSEATEEETSKPCASDKEDTRTEYMC DGPPKGQSKDTS GDQGHLLQGAHQCESEAKP
 PQAAAAGATAPPTPRDSPRLSIKQRLARLQLSPEYTF TAGLAAEVAARSLSFTTMQEQTFGDEEDEDKEQ
 LVEGGERELEEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



ACCN:	NM_001006984
ORF Size:	2346 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_001006984.1](#), [NP_001006985.1](#)

RefSeq Size: 2906 bp

RefSeq ORF: 2349 bp

Locus ID: 299738

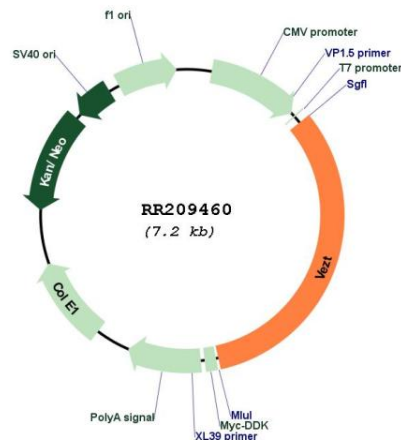
UniProt ID: [Q5X152](#)

Cytogenetics: 7q13

MW: 88.7 kDa

Gene Summary: Plays a pivotal role in the establishment of adherens junctions and their maintenance in adult life. Required for morphogenesis of the preimplantation embryo, and for the implantation process.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR209460