

Product datasheet for **RN210642**

Vcp (NM_053864) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vcp (NM_053864) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vcp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210642 representing NM_053864
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCCTCTGAGCCGATTCAAAAGGTGATGATTATCAACAGCCATTCTCAAACAGAAGAACCGTCCCA
 ATCGGTTAATTGTTGATGAAGCCATCAATGAAGATAACAGTGTGGTGTCTTGTCCAGCCCAAGATGGA
 TGAACACAGTTGTTGAGAGGTGACACGGTGTGCTAAAAGGAAAGAAGAGAAGGGAAGCTGTATGCATT
 GTTCTTTCTGATGACACGTGTTCTGATGAGAAGATTGCAATGAATAGAGTTGTTCCGAATAACCTCCGAG
 TTCGCTAGGAGATGTCATCAGCATCCAGCCATGCCCTGATGTAAAGTATGGCAAACGTATCCATGTGCT
 ACCCATTTGATGACACAGTGAAGGCATCACTGGCAATCTTTTGGAGTATACCTTAAGCCGTAATCCTG
 GAAGCATATCGGCCATCCGTAAGGAGATATTTTCTTGTCCGGGTGGGATGCGTGCTGTGGAGTTCA
 AAGTAGTAGACAGATCCAGCCCTTACTGTATTGTTGCTCCAGACACAGTGTCCACTGTGAGGGGGA
 GCCAATCAAGCGAGAGGATGAGGAGGAGTCCTTGAATGAAGTAGGCTATGATGACATCGGTGGTTGCAGG
 AAGCAGCTAGCTCAGATAAAGGAGATGGTGGAGCTGCCACTGAGACATCTGCACCTCTTTAAGGCAATTG
 GTGTGAAGCCTCCTCGGGGAATCTTGCTATATGGACCTCCTGGGACAGGGAACCTTGATTGCCGAGC
 TGTGGCAAATGAACTGGAGCCTTCTTCTTCTGATCAATGGTCTGAAATCATGAGCAAATGGCTGGT
 GAGTCTGAGAGCAACCTTCGTAAGCCTTTGAGGAAGCTGAAAAGAATGCTCCTGCCATCATCTTCATCG
 ACGAGCTTGATGCCATTGCACCCAAAAGAGAGAAAACCTCACGGGGAAGTGGAGCGTCGCATCGTGCTCA
 GTTGTGGACCTTATGGATGGCCTAAAGCAGAGAGCACATGTGATAGTTATGGCAGCAACCAATAGACCC
 AACAGCATTGACCCAGCCCTACGGCGATTGGTTCGCTTTGACAGAGAGGTAGATATTGGAATCCCTGATG
 CTACAGGACGTTTGGAAATCTTCAGATCCATACCAAGAACATGAACTGGCAGATGATGTGGACTTGA
 ACAGGTAGCCAATGAGACTCATGGTCATGTGGTGCTGACTTGGCAGCCCTGTGTTGAGAGGCTGCTCTA
 CAGGCCATCCGGAAAAAATGGACCTCATTGACCTAGAAGATGAGACCATTGACGCTGAGGTGATGAATT
 CCCTGGCAGTTACTATGGATGACTTCCGGTGGCCTTAAGTCAAAGCAACCCATCAGCACTTCGGGAAAC
 TGTGGTAGAAGTGCCACAAGTAACCTGGGAAGACATTGGAGGCCTGGAGGATGTCAAACGGGAGCTTCAG
 GAGTTGGTTGATGATCCTGTGGAGCATCCAGACAAATCCTCAAATTTGGCATGACTCCTCCAAAGGTG
 TTCTTTTCTATGGACCGCTGGCTGTGGGAAAACCTTACTGGCCAAAGCCATTGCTAATGAATGCCAGGC
 TAACTTCATCTCCATCAAGGGTCTGAGCTGCTTACCATGTGGTTTGGGGAATCTGAGGCCAATGTCAGG
 GAAATATTTGACAAGGCACGACAAGCTGCCCCCTGTGTACTCTTCTTTGATGAGTTAGATTCAATTGCCA
 AGGCTCGTGGTGGTAATATTGGAGATGGTGGTGGAGCTGCAGACCGAGTCATCAATCAGATCCTGACAGA
 AATGGATGGCATGTCCAAAAAAGAATGTGTTTATCATTGGAGCTACCAACCGGCTGACATCATTGAT
 CCTGCTATCCTAAGACCTGGCCGTCTTGATCAGCTCATTATATCCCACTTCCTGATGAGAAGTCCCGTG
 TTGCCATCCTAAAAGCCAATCTGCGAAAATCCCCAGTTGCCAAGGATGTGGATTGGAGTTCTTGCTAA
 GATGACTAATGGCTTTTCTGGAGCTGACCTGACAGAAATTTGCCAACGTGCTTGTAACTAGCCATTCTG
 GAATCTATCGAGAGTGAGATTAGGCGAGAACGAGAGAGGCAGACAAATCCATCAGCTATGGAAGTAGAAG
 AGGATGATCCAGTGCCTGAGATCCGAGAGATCACTTTGAGGAAGCCATGCGTTTTGCCGACGTTCTGT
 CAGTGATAATGACATTCGGAAGTATGAAATGTTTGGCCAGACACTGCAGCAAAGTCGAGGTTTTGGCAGC
 TTCAGATTCCCTTCAGGGAACCGGGTGGAGCTGGCCCAAGTCAGGGCAGTGGAGGTGGCACAGGTGGCA
 ATGTGTACACAGAAGACAATGACGATGACCTCTATGGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053864
Insert Size: 2421 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:	<u>NM_053864.2</u> , <u>NP_446316.1</u>
RefSeq Size:	3214 bp
RefSeq ORF:	2421 bp
Locus ID:	116643
UniProt ID:	<u>P46462</u>
Cytogenetics:	5q22
Gene Summary:	ATP binding protein involved in vesicle transport and fusion; important for proper functioning of the endoplasmic reticulum [RGD, Feb 2006]