

Product datasheet for **SC128263**

VRK2 (NM_006296) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VRK2 (NM_006296) Human Untagged Clone
Tag:	Tag Free
Symbol:	VRK2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	<p>>OriGene ORF within SC128263 sequence for NM_006296 edited (data generated by NextGen Sequencing)</p> <pre> ATGCCACAAAAAGAAATGAAAAATACAAACTTCCTATTCCATTCCAGAAGGCAAGGTT CTGGATGATATGGAAGGCAATCAGTGGGTACTGGGCAAGAAGATTGGCTCTGGAGGATTT GGATTGATATATTTAGCTTTCCCAAAAATAAACCAGAGAAAGATGCAAGACATGTAGTA AAAGTGGAAATATCAAGAAAATGGCCCGTATTTTCAGAACTTAAATTTTATCAGAGAGTT GCAAAAAAAGACTGTATCAAAAAGTGGATAGAACGCAAACTTGAATTTTAGGAATT CCTCTGTTTTATGGATCTGGTCTGACTGAATTCAGGGAAGAAGTTACAGATTTATGGTA ATGAAAAGACTAGGAATAGATTTACAGAAGATCTCAGGCCAGAATGGTACCTTTAAAAAG TCAACTGTCTGCAATTAGGTATCCGAATGTTGGATGACTGGAATATATACATGAAAAAT GAATATGTTTCATGGTGTGTAAGCAGCAAACTACTTTGGGTACAAAAATCCAGAC CAGGTTTATCTTGACAGATTATGGACTTTCCTACAGATATTGTCCCAATGGGAACCAAAA CAGTATCAGGAAAATCTAGAAAAGGCCATAATGGGACAATAGAGTTTACCAGCTGGAT GCCCAAGAGGAGTAGCCTTGCCAGACGAAGTGACGTTGAGATCCTCGGCTACTGCATG CTGCGGTGGTGTGGGAAACTCCCTGGGAACAGAACCTGAAGACCCTGTGGCTGTG CAGACTGTAAAACAAATCTGTTGGACGAGCTCCCCAGTCAGTGCTTAAATGGGCTCCT TCTGGAAGCAGTTGCTGTGAAATAGCCCAATTTTGGTATGTGCTCATAGTTTAGCATAT GATGAAAAGCCAACTATCAAGCCCTCAAGAAAATTTGAACCCTCATGGAATACCTTTA GGACCACTGGACTTTCCACAAAAGGACAGAGTATAAATGTCCATACTCCAAACAGTCAA AAAGTTGATTACAAAAGGCTGCAACAAAGCAAGTCAACAAGGCACACAATAGGTTAATC GAAAAAAAAGTCCACAGTGAGAGAAGCGCTGAGTCTGTGCAACATGGAAAGTGCAGAAA GAGGAGAAACTGATTGGATTGATGAACAATGAAGCAGCTCAGGAAAGCACAAGGAGAAGA CAGAAATATCAAGAGTCTCAAGAACCTTGAATGAAGTAAACAGTTTCCACAAAAAATC AGCTATACACAATTCCCAAACCTATTTTATGAGCCTCATCAAGATTTTACCAGTCCAGAT ATATTCAGAAGTCAAGATCTCCATCTTGGTATAAATACACTTCCACAGTCAGCACGGGG ATCACAGACTTAGAAAGTTCAACTGGACTTTGGCCTACAATTTCCAGTTTACTCTTAGT GAAGAGACAAACGCAGATGTTTATTATTATCGCATCATCATACCTGTCCTTTTGATGTTA GTATTTCTTGCTTATTTTTTCTCTGA </pre> <p>Clone variation with respect to NM_006296.5 499 a=>g</p>
Restriction Sites:	Please inquire
ACCN:	NM_006296
Insert Size:	2000 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:	<ol style="list-style-type: none">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_006296.3 , NP_006287.2
RefSeq Size:	2081 bp
RefSeq ORF:	1527 bp
Locus ID:	7444
UniProt ID:	Q86Y07
Cytogenetics:	2p16.1
Domains:	pkinase, S_TKc
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Gene Summary:	<p>This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. The encoded protein acts as an effector of signaling pathways that regulate apoptosis and tumor cell growth. Variants in this gene have been associated with schizophrenia. Alternative splicing results in multiple transcript variants that differ in their subcellular localization and biological activity. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 2, 3, and 8 encode the same isoform (1, also known as VRK2A).</p>