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Product datasheet for SC338136

WNK2 (NM_001282394) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNK2 (NM_001282394) Human Untagged Clone
Tag:	Tag Free
Symbol:	WNK2
Synonyms:	NY-CO-43; P/OKcl.13; PRKWNK2; SDCCAG43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282394, the custom clone sequence may differ by one or more nucleotides

ATGGACGGCGATGGCGGCCGCCGAGACGTCCCCGGCACGCTGATGGAGCCCGGGCGCGGCGCGGGGCCCG
CGGGCATGGCGGAGCCTCGGGCGAAGGCGGCGCGGCCGGGGCCCCAGCGCTTTCTGCGGCGCAGCGTGGT
AGAGTCGGACCAGGAGGAGCCGCCGGGCTTGGAGGCAGCCGAGGCGCCGGGCCCGCAGCCCCCGCAGCCC
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CTTGATCCAGTGGCGGCGGGAGAGGATCTGGCCCGCGCTGCAGCCCAAGGAGCAGCAGGATGTGGGCAGC
CCGGACAAGGCCAGGGGTCCGCCGGTGCCCCTGCAGGTCCAGGTGACCTACCATGCACAGGCTGGGCAGC
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TCCCCCCCACCGCCTGCTGTGGGCACAGCACTCAGCCGCGAGGGGGACAGCGGGTGGGCAGCAAGACTGC
TTCCTTTGCGGCTTCAGACCCTGTTCGCTCCTAG

Restriction Sites:	SgfI-RsrII
ACCN:	NM_001282394
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_001282394.1, NP_001269323.1
RefSeq Size:	8240 bp
RefSeq ORF:	6894 bp
Locus ID:	65268

UniProt ID:	Q9Y3S1
Cytogenetics:	9q22.31
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	The protein encoded by this gene is a cytoplasmic serine-threonine kinase that belongs to the protein kinase superfamily. The protein plays an important role in the regulation of electrolyte homeostasis, cell signaling survival, and proliferation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.