

Product datasheet for RC212364

WNK2 (NM_006648) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WNK2 (NM_006648) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WNK2
Synonyms:	NY-CO-43; P/OKcl.13; PRKWNK2; SDCCAG43
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-Myc-DDK (PS100007)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RC212364 representing NM_006648 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

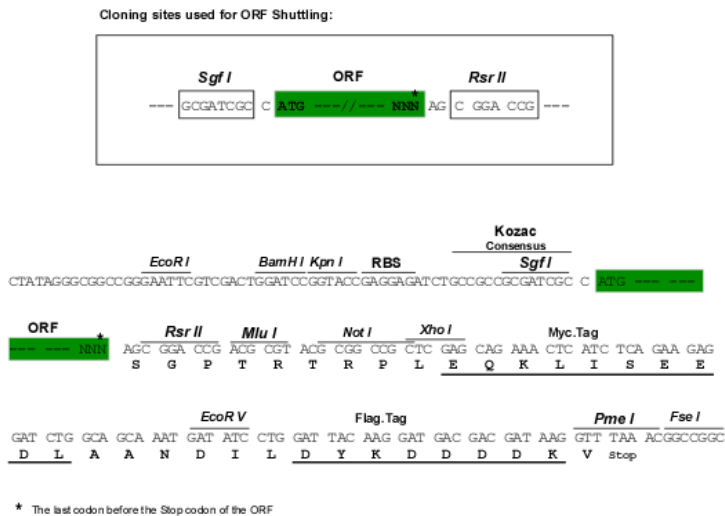
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 Red=Cloning site Green=Tags(s)

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SGPTRRRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_006648

ORF Size: 6651 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_006648.3](#), [NP_006639.3](#)

RefSeq Size: 6834 bp

RefSeq ORF: 6654 bp

Locus ID: 65268

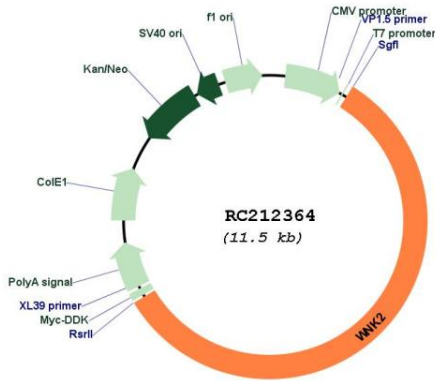
Cytogenetics: 9q22.31

Protein Families: Druggable Genome, Protein Kinase

MW: 234.2 kDa

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]

Product images:



Circular map for RC212364