

Product datasheet for SC300456

WNK3 (NM_001002838) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | WNK3 (NM_001002838) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | WNK3 |
| Synonyms: | PRKWNK3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC300456 representing NM_001002838. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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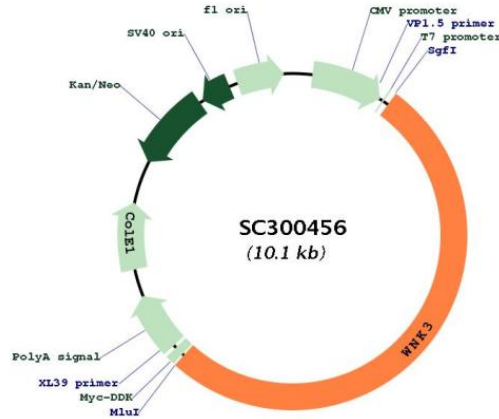
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_001002838

Insert Size: 5232 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001002838.3](#)

RefSeq Size: 11185 bp

RefSeq ORF: 5232 bp

Locus ID: 65267

UniProt ID: [Q9BYP7](#)

Cytogenetics: Xp11.22

Protein Families: Druggable Genome, Protein Kinase

MW: 191.8 kDa

Gene Summary: This gene encodes a protein belonging to the 'with no lysine' family of serine-threonine protein kinases. These family members lack the catalytic lysine in subdomain II, and instead have a conserved lysine in subdomain I. This family member functions as a positive regulator of the transcellular Ca²⁺ transport pathway, and it plays a role in the increase of cell survival in a caspase-3-dependent pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region and lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than 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.