

Product datasheet for RN217783

Wnk1 (NM_001199095) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnk1 (NM_001199095) Rat Untagged Clone
Tag: Tag Free
Symbol: Wnk1
Synonyms: Hsn2; Prkwk1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217783 representing NM_001199095
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTGACGGCACCAGAGAGAAGCAGAGCGGCACTCCTGGCTTCTTTTCGCTCCGGCTCCAGTCCCCA
 AGAATGGCTCAAGCTCCGATTCTCCGTGGGCGAGAACTGGGGCCCGGTCGCCGACTCCGGAATTGG
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 CGGGCCTCCCTCTCTATCCCTCAACCTAGTGTACCCGAGTGGTGCCTCAGAGTGCTCCACCCGAGCC
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GAAAATACAAAGACAATGAAGCTATTGAGTTTTCTTTGACTTGGAGAGGGATGTACCAGAAGATGTTGC
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 GGCCCTGGAAATGGCAAGGAAGTTCTCTGCTCCTGGGCAGCTGTGCATTTCCATGACCTCAAACATGGGTG
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 GCAGTATGGTTTTCCAGCTGCCCCATTCGGCACTCAGTGGAGTGGAAACAGGTGGTCCAGCACCACAGCCA
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 TCAGCAACCCCCAGGTTCCAACCTACGGACCACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001199095

Insert Size:

7878 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001199095.1</u> , <u>NP_001186024.1</u>
RefSeq Size:	10470 bp
RefSeq ORF:	7878 bp
Locus ID:	116477
UniProt ID:	<u>Q9JIH7</u>
Cytogenetics:	4q42
Gene Summary:	<p>catalyzes the phosphorylation of myelin basic protein in vitro; has autophosphorylation activity; may regulate the thiazide-sensitive Na-Cl cotransporter NCC [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) has multiple differences in the coding region but maintains the reading frame compared to variant 1. This variant represents the exon combination of the brain and spinal cord variant inferred from the mouse sequence described in Figure 2F of PubMed ID 18521183. This variant encodes isoform 2, which is shorter than isoform 1 but has the same N- and C-termini. 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.</p>