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Product datasheet for RC228672

TNIK (NM_001161562) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNIK (NM_001161562) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNIK
Synonyms:	MRT54
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC228672 representing NM_001161562 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGAGCGACTCCCCGGCTCGAAGCCTGGATGAAATAGATCTCTCGGCTCTGAGGGACCCCGCAGGGA TCTTTGAATTGGTGGAACTTGTTGGAAATGGAACATACGGGCAAGTTTATAAGGGTCGTCATGTCAAAAC GGGCCAGCTTGCAGCCATCAAGGTTATGGATGTCACAGGGGATGAAGAGGAAGAAATCAAACAAGAAATT AACATGTTGAAGAAATATTCTCATCACCGGAATATTGCTACATACTATGGTGCTTTTATCAAAAAGAACC CACCAGGCATGGATGACCAACTTTGGTTGGTGATGGAGTTTTGTGGTGCTGGCTCTGTCACCGACCTGAT CAAGAACACAAAAGGTAACACGTTGAAAGAGGAGTGGATTGCATACATCTGCAGGGAAATCTTACGGGGG CTGAGTCACCTGCACCAGCATAAAGTGATTCATCGAGATATTAAAGGGCAAAATGTCTTGCTGACTGAAA ATGCAGAAGTTAAACTAGTGGACTTTGGAGTCAGTGCTCAGCTTGATCGAACAGTGGGCAGGAGGAATAC TTTCATTGGAACTCCCTACTGGATGGCACCAGAAGTTATTGCCTGTGATGAAAACCCAGATGCCACATAT GATTTCAAGAGTGACTTGTGGTCTTTGGGTATCACCGCCATTGAAATGGCAGAAGGTGCTCCCCCTCTCT GTGACATGCACCCCATGAGAGCTCTCTTCCTCATCCCCCGGAACCCAGCGCCTCGGCTGAAGTCTAAGAA GTGGTCAAAAAAATTCCAGTCATTTATTGAGAGCTGCTTGGTAAAGAATCACAGCCAGCGACCAGCAACA GAACAATTGATGAAGCATCCATTTATACGAGACCAACCTAATGAGCGACAGGTCCGCATTCAACTCAAGG ACCATATTGATAGAACAAAGAAGAAGCGAGGAGAAAAAGATGAGACAGAGTATGAGTACAGTGGAAGTGA GGAAGAAGAGGAGGAGAATGACTCAGGAGAGCCCAGCTCCATCCTGAATCTGCCAGGGGAGTCGACGCTG CGGAGGGACTTTCTGAGGCTGCAGCTGGCCAACAAGGAGCGTTCTGAGGCCCTACGGAGGCAGCAGCTGG AGCAGCAGCAGCGGGAGAATGAGGAGCACAAGCGGCAGCTGCTGGCCGAGCGTCAGAAGCGCATCGAGGA GCAGAAAGAGCAGAGGCGGCGGCTGGAGGAGCAACAAAGGCGAGAGAAGGAGCTGCGGAAGCAGCAGGAG AGGGAGCAGCGCCGGCACTATGAGGAGCAGATGCGCCGGGAGGAGGAGAGGAGGCGTGCGGAGCATGAAC AGGAATATAAGCGCAAACAATTGGAAGAACAGAGACAAGCAGAAAGACTGCAGAGGCAGCTAAAGCAAGA AAGAGACTACTTAGTTTCCCTTCAGCATCAGCGGCAGGAGCAGAGGCCTGTGGAGAAGAAGCCACTGTAC CATTACAAAGAAGGAATGAGTCCTAGTGAGAAGCCAGCATGGGCCAAGGAGGTAGAAGAACGGTCAAGGC

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Protein Sequence:

>RC228672 representing NM_001161562
Red=Cloning site Green=Tags(s)

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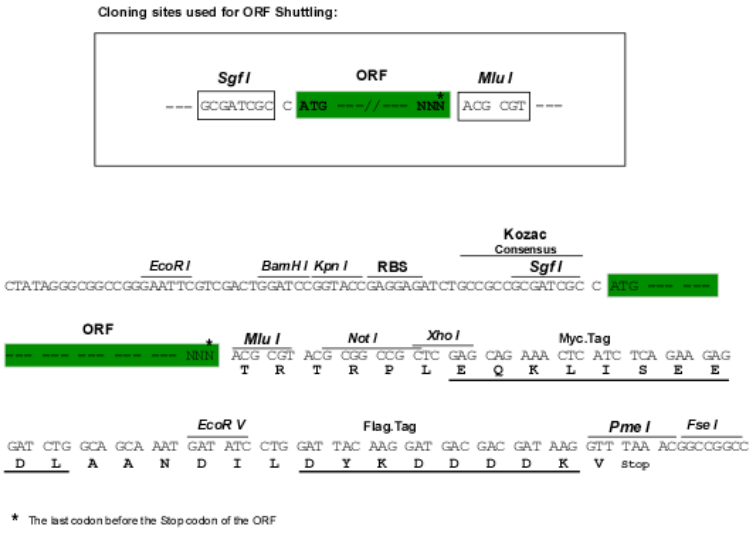
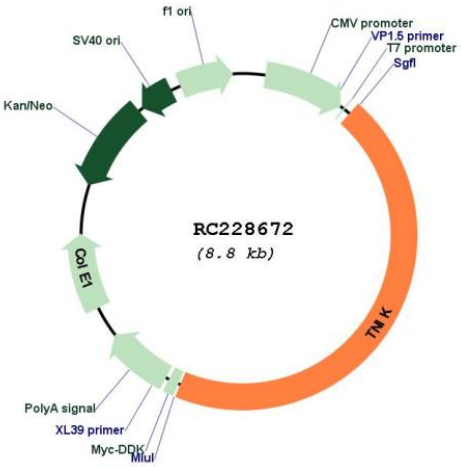
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001161562
ORF Size:	3969 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_001161562.2
RefSeq ORF:	3972 bp
Locus ID:	23043
UniProt ID:	Q9UKE5
Cytogenetics:	3q26.2-q26.31
Protein Families:	Druggable Genome, Protein Kinase

MW:	150.2 kDa
Gene Summary:	Wnt signaling plays important roles in carcinogenesis and embryonic development. The protein encoded by this gene is a serine/threonine kinase that functions as an activator of the Wnt signaling pathway. Mutations in this gene are associated with an autosomal recessive form of cognitive disability. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2017]