

Product datasheet for **SC327298**

TNIK (NM_001161565) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNIK (NM_001161565) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNIK
Synonyms:	MRT54
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001161565, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAGCGACTCCCCGGCTCGAAGCCTGGATGAAATAGATCTCTCGGCTCTGAGGGAC
CCCGCAGGGATCTTTGAATTGGTGGAACTTGTTGGAAATGGAACATACGGGCAAGTTTAT
AAGGGTCGTCATGTCAAACGGGCCAGCTTGCAGCCATCAAGGTTATGGATGTCACAGGG
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AATATTGTACTACTATGTTGCTTTTATCAAAAAGAACCACCAGGCATGGATGACCAA
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AAAGGTAACACGTTGAAAGAGGAGTGGATTGCATACATCTGCAGGGAAATCTTACGGGGG
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CTGACTGAAAATGCAGAAGTAAACTAGTGGACTTTGGAGTCAGTGCTCAGCTTGATCGA
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CAGAGGCCTGTGGAGAAGAAGCCACTGTACCATTACAAAAGAAGGAATGAGTCCTAGTGAG

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AAGCCAGCATGGGCCAAGGAGATCCCACATCTGGTAGCTGTAAAATCCCAGGGACCTGCC
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 GCTCTGAACGTGACCTCCCACCGCTGGAGATGCCACGCCAGAATCAGATCCCACCTCG
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 GGAAAGAAGAATAAGCTACGAGTTTACTATCTTTCATGGTTAAGAAACAGAATACTACAT
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 GTAAACACCTATGGCCGGATAACTAAGGATGTGGTGTCTCAATGGGGAGAAATGCCACG
 TCTGTGGCCTACATTCAATCCAATCAGATAATGGGCTGGGGCGAGAAAGCTATTGAGATC
 CGGTCAAGTGAACAGGACATTTGGATGGAGTATTTATGCATAAGCGAGCTCAAAGGTTA
 AAGTTTCTATGTGAAAGAAATGATAAGGTATTTTTGCATCCGTGCGATCTGGAGGAAGT
 AGCCAAGTGTTCATGACCCTCAACAGAAATTCATGATGAAGTGG

Restriction Sites:

Please inquire

ACCN:

NM_001161565

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:	<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_001161565.1, NP_001155037.1</u>
RefSeq Size:	5564 bp
RefSeq ORF:	3831 bp
Locus ID:	23043
UniProt ID:	<u>Q9UKE5</u>
Cytogenetics:	3q26.2-q26.31
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) lacks two in-frame exons in the middle portion of the coding region compared to variant 1. This results in a shorter protein (isoform 7) compared to 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.</p>