

Product datasheet for **SC314794**

TNNI3K (NM_015978) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TNNI3K (NM_015978) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNNI3K
Synonyms:	CARK; CCDD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



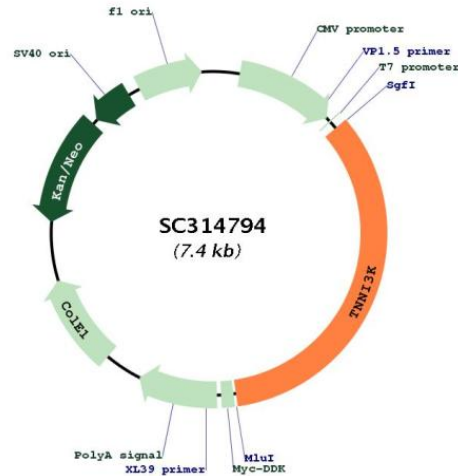
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Fully Sequenced ORF: >SC314794 representing NM_015978.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_015978

Insert Size: 2508 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_015978.2](#)

RefSeq Size: 3026 bp

RefSeq ORF: 2508 bp

Locus ID: 51086

UniProt ID: [Q59H18](#)

Cytogenetics: 1p31.1

Domains:	pkinase, TyrKc, ANK, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	92.9 kDa
Gene Summary:	<p>This gene encodes a protein that belongs to the MAP kinase kinase kinase (MAPKKK) family of protein kinases. The protein contains ankyrin repeat, protein kinase and serine-rich domains and is thought to play a role in cardiac physiology. [provided by RefSeq, Sep 2012]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding region compared to variant 1. The resulting isoform (b) has a shorter and distinct N-terminus compared to isoform a.</p>