

Product datasheet for **SC316997**

TRPV3 (NM_145068) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPV3 (NM_145068) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPV3
Synonyms:	FNEPPK2; OLMS; OLMS1; VRL3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >SC332590 representing NM_001258205.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAAGCCACCCCAAGGAGATGGTGCCTTCATGGGCAAGAGAGTTGCTGCCCCAGTGGGAACCT
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ATAGAAGGGTTTGAACCAACCCACAGTTGCCAAGACCTCTCCTGTCTTCTCCAAGCCCATGGAT
TCCAACATCCGGCAGTGCATCTCTGGTAACTGTGATGACATGGACTCCCCCAGTCTCCTCAAGATGAT
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GCAGATTTCAACAAAATCCAAGATTCTCCAGGAACGACGACAAAACCACTCTCAATGCATTTGAAGAA
GTCGAG
  
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Restriction Sites: Please inquire

ACCN: NM_145068

Insert Size: 2373 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: The ORF of this clone has been fully sequenced and found to contain 3bp insertion and one SNP.

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_145068.2</u> , <u>NP_659505.1</u>
RefSeq Size:	3420 bp
RefSeq ORF:	2373 bp
Locus ID:	162514
UniProt ID:	<u>Q8NET8</u>
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Gene Summary:	<p>This gene product belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C. This gene lies in close proximity to another family member gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.</p> <p>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>