

Product datasheet for **SC332135**

TRPC1 (NM_001251845) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPC1 (NM_001251845) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPC1
Synonyms:	HTRP-1; TRP1
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332135 representing NM_001251845.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGATGGCGGCCCTGTACCCGAGCACGGACCTCTCGGGCGCCTCCTCCTCCTCCCTGCCTTCTCTCCA
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ACTTCTAAATATGCTATGTTTTATCCAAGAAAT TAA
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001251845

Insert Size: 2382 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).

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:	NM_001251845.1
RefSeq Size:	4179 bp
RefSeq ORF:	2382 bp
Locus ID:	7220
UniProt ID:	P48995
Cytogenetics:	3q23
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Protein Pathways:	Calcium signaling pathway, Huntington's disease, Parkinson's disease
MW:	91.2 kDa
Gene Summary:	<p>The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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>