

Product datasheet for **SC120633**

TRPV6 (NM_018646) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPV6 (NM_018646) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPV6
Synonyms:	ABP/ZF; CAT1; CATL; ECAC2; HRPTTN; HSA277909; LP6728; ZFAB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC120633 sequence for NM_018646 edited (data generated by NextGen Sequencing)

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ATGGGTTTGTCACTGCCCAAGGAGAAAGGGCTAATTCTCTGCCTATGGAGCAAGTTCTGC
AGATGGTTCAGAGACGGGAGTCTGGGCCAGAGCCGAGATGAGCAGAACCTGCTGCAG
CAGAAGAGGATCTGGGAGTCTCCTCTCCTTCTAGCTGCCAAAGATAATGATGTCCAGGCC
CTGAACAAGTTGCTCAAGTATGAGGATTGCAAGGTGCACCAGAGAGGAGCCATGGGGGAA
ACAGCGTACACATAGCAGCCCTCTATGACAACCTGGAGGCCGCCATGGTGTGATGGAG
GCTGCCCGGAGCTGGTCTTTGAGCCCATGACATCTGAGCTCTATGAGGGTCAGACTGCA
CTGCACATCGCTGTTGTGAACGAGAACATGAACCTGGTGCAGGCCCTGCTTGCCCGCAGG
GCCAGTGTCTCTGCCAGAGCCACAGGCACTGCCTTCCGCCGTAGTCCCTGCAACCTCATC
TACTTTGGGGAGCACCTTTGCTCTTTGCTGCCTGTGTGAACAGTGAGGAGATCGTGCAG
CTGCTCATTGAGCATGGAGCTGACATCCGGGCCAGGACTCCCTGGGAAACACAGTGTTA
CACATCCTCATCTCCAGCCCAACAAACCTTTGCCTGCCAGATGTACAACCTGTTGCTG
TCCTACGACAGACATGGGGACCACCTGCAGCCCTGGACCTCGTGCCCAATCACCAGGGT
CTCACCCCTTTCAAGCTGGCTGGAGTGGAGGTAACACTGTGATGTTTCAGCACCTGATG
CAGAAGCGGAAGCACACCCAGTGGACGTATGGACCACTGACCTCGACTCTCTATGACCTC
ACAGAGATCGACTCCTCAGGGGATGAGCAGTCCCTGCTGGAACCTATCATCACCACCAAG
AAGCGGGAGGCTCGCCAGATCCTGGACCAGACGCCGTGAAGGAGCTGGTGGCCCTAAG
TGGAAGCGGTACGGGCGGCCGTAATCTGTCATGCTGGGTGCCATATATCTGCTGTACATC
ATCTGCTTACCATGTGCTGCATCTACCGCCCTCAAGCCAGGACCAATAACCGCACG
AGCCCCGGGACAAACACCTCTTACAGCAGAAGCTACTCAGGAAGCCTACATGACCCCT
AAGGACGATATCCGGCTGGTCCGGGAGCTGGTACTGTGCTATTGGGGCTATCATCATCTG
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CTTGGGGGCCCATTCATGTCTCATCATCACCTATGCCTTCATGGTGGTGGTACCATG
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GGCTGGTGAACGTCATGTACTTCGCCCCGAGGATTCCAGATGCTAGGCCCTTACCATC
ATGATTCAGAAGATGATTTTTGGCGACCTGATGCGATTCTGTGGCTGATGGCTGTGGTC
ATCCTGGGCTTTGCTTCAGCCTTCTATATCATCTTCCAGACAGAGGACCCCGAGGAGCTA
GGCCACTTCTACGACTACCCATGGCCCTGTTCCAGCACCTTCGAGCTGTTCTTACCATC
ATCGATGGCCAGCCAACTACAACGTGGACCTGCCCTTCATGTACAGCATCACCTATGCT
GCCTTTGCCATCATCGCCACACTGCTCATGCTCAACCTCCTCATTGCCATGATGGCGAC
ACTCACTGGCGAGTGGCCATGAGCGGGATGAGCTGTGGAGGGCCAGATTGTGGCCACC
ACGGTGATGCTGGAGCGGAAGCTGCCTCGCTGCCTGTGGCCTCGCTCCGGGATCTGCGGA
CGGGAGTATGGCCTGGGAGACCGCTGGTTCCTGCGGGTGAAGACAGGCAAGATCTCAAC
CGGCAGCGGATCCAACGCTACGCACAGGCTTCCACACCCGGGGCTCTGAGGATTTGGAC
AAAGACTCAGTGGAAAACTAGAGCTGGGCTGTCCCTTACGCCCCACCTGTCCCTTCT
ATGCCCTCAGTGTCTCGAAGTACCTCCCGCAGCAGTGCCAATTGGGAAAGGCTTCGGCAA
GGGACCTGAGGAGAGACCTGCGTGGGATAATCAACAGGGGTCTGGAGGACGGGGAGAGC
TGGGAATATCAGATCTGA

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Clone variation with respect to NM_018646.2

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018646 unedited GTCACCATTTTGTAAACGACTCACTATAGGGNNCGCCGCGNNAATTCGNNGCACCAGG CCAAGTGTAAACAACTCACAGCCCTCTCCAACTGGCTGGGGCTGCTGGGAGACTCCCAA GGAACGTCAGGAAGGCAGGAGACAGGAGACGGGACCTCTACAGGGAGACGGTGGGCCG GCCCTTGGGGGGCTGATGTGGCCCAAGGCTGAGTCTTTTCTTGGTCTGGCCTCGGCC CAGGCCCCNAGGAGCCGGCCCTACACCCATGGGTTTGTCACTGCCAAGGAGAAAGGG CTAATTTCTGCCTATGGAGCAAGTTCTGCAGATGGTTCCAGAGACGGGAGTCCTGGGCC CAGAGCCGAGATGAGCAGAACCTGTGCAGCAGAAGAGGATCTGGGAGTCTCCTCTCCTT CTAGCTGCCAAAGATAATGATGTCCAGGCCCTGAACAAGTTGCTCAAGTATGAGGATTGC AAGGTGCACCAGAGAGGACCATGGGGAAACAGCGCTACACATAGCAGCCCTCTATGAC AACCTGGAGGCCCATGGTGTGATGGAGGCTGCCCCGAGCTGGTCTTTGAGCCCATG ACATCTGAGCTCTATGAGGGTCAGACTGCACTGCACATCGCTGTTGTGAACCAGAACATG AACCTGGTGGCGAGCCCTGCTTGCCCGCAGGGCCAGTGTCTTGGCAGCCACAGGCAC TGCCTTTCGCGTTGTTCTGCAACCTTCTCTACTTTGGGAGCACCTTTTTCTTTGCT GCCTGTGTTAACCGTTGAGAGATCTTGGCGCTGCTTCTTTGTCTTGGAGCTGACATCCC GGCCCCAACTTTCTTGGGAAACAACGTTGTACNNTTTCTTCTTTTACGCCAACAA AACTTTTTCTTGCCCAATGTCCAACCTTGTGTTGTCTCTCAAAAAATGTGAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_018646
Insert Size:	3500 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_018646.2 , NP_061116.2
RefSeq Size:	2918 bp
RefSeq ORF:	2178 bp
Locus ID:	55503
UniProt ID:	Q9H1D0
Cytogenetics:	7q34
Domains:	ANK, ion_trans
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Gene Summary:

This gene encodes a member of a family of multipass membrane proteins that functions as calcium channels. The encoded protein contains N-terminal ankyrin repeats, which are required for channel assembly and regulation. Translation initiation for this protein occurs at a non-AUG start codon that is decoded as methionine. This gene is situated next to a closely related gene for transient receptor potential cation channel subfamily V member 5 (TRPV5). This locus has experienced positive selection in non-African populations, resulting in several non-synonymous codon differences among individuals of different genetic backgrounds. [provided by RefSeq, Feb 2015]