

Product datasheet for SC123945

CATSPER3 (NM_178019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CATSPER3 (NM_178019) Human Untagged Clone
Tag:	Tag Free
Symbol:	CATSPER3
Synonyms:	CACRC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC123945 sequence for NM_178019 edited (data generated by NextGen Sequencing)

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ATGTCTCAACACCGTCACCAGCGCCACTCGAGAGTCATTTCTAGTTCACCAGTTGACACT
ACATCGGTGGGATTTTGCCCAACATTCAAGAAATTTAAGAGGAACGATGATGAATGTCGG
GCATTTGTGAAGAGAGTCATAATGAGCCGTTTCTTTAAGATAATTATGATTAGCACTGTC
ACATCGAATGCGTTTTTATGGCCTTGTGGACCAGTTATGACATAAGGTACCGCTTGTC
AGACTTCTTGAGTTCTCGGAGATCTTCTTGTGTCCATCTGCACATCTGAGTTGTCCATG
AAGGTCTATGTGGACCCCATCACTACTGGAAGAACGGCTACAACCTGCTGGATGTGATC
ATTATCATCGTTATGTTTTTACCCTATGCCCTCCGCCAGCTCATGGGCAAACAGTTCAC
TACCTGTATATCGCTGATGGCATGCAGTCCCTGCGCATCCTCAAGCTTATCGGCTATAGC
CAGGGCATCCGGACGCTGATCACCGCTGTGGGGCAGACAGTCTACACCGTGGCCTCTGTG
CTCCTCCTGCTCTTCTCCTCATGTACATCTTCGCTATCTTGGGCTTCTGCCTGTTTGG
TCTCCAGACAATGGTGACCATGATAACTGGGGAACTGGCTGCAGCTTTTTTACCCTC
TTCAGCTTGGCCACGGTTGATGGCTGGACAGACCTGCAGAAGCAGTTGGACAATCGGGAA
TTTGCTTTGAGCCGGCATTACCATCATCTTCATCTTGCTCGCCTTTTCATCTTCCCTC
AACATGTTTCGTGGGTGTGATGATGCACACAGAGGACTCCATCAGAAAGTTTGAGCGA
GAGCTGATGTTGGAGCAGCAGGAGATGCTCATGGGAGAGAAGCAGGTGATTCTGCAGCGG
CAGCAGGAGGAGATCAGCAGGCTGATGCACATACAGAAAAATGCTGACTGCACAAGTTTC
AGTGAGCTGGTGGAGAACCTTTAAGAAGACCTTGAGCCACACTGACCCAATGGTCTTGGAT
GATTTTGGCACTAGCTTACCCTTCATCGATATCTACTTTTCCACTCTGGACTACCAGGAC
ACAACGTCCACAAGCTTCAAGAGCTGTACTATGAGATCGTGCATGTGCTGAGCCTAATG
CTGGAAGACTTGCCCCAGGAGAAGCCCCAGTCCTTGAAAAGGTGGATGAGAAGTAG

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Clone variation with respect to NM_178019.2
507 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_178019 unedited
 GGGGTTTCGAAATTTGTNATACGACTCACTATNAGGGCGGCCGCGNAATTCGCACGANAAT
 CCCTAAGCAGAGATTTTCTGTTGGATGCTAAAAGCAAGGAATAAAAGTTGAAAATTTGGA
 AAATGTCTCAACACCGTCACCAGCGCCACTCGAGAGTCATTTCTAGTTCACCAGTTGACA
 CTACATCGGTGGGATTTTGCCCAACATTAAGAAATTTAAGAGGAACGATGATGAATGTC
 GGGCATTGTGAAGAGAGTCATAATGAGCCGTTTCTTTAAGATAATTATGATTAGCACTG
 TCACATCGAATGCGTTTTTTATGGCCTTGTGGACCAGTTATGACATAAGGTACCGTTGT
 TCAGACTTCTTGAGTTCTCGGAGATCTTCTTTGTGTCCATCTGCACATCTGAGTTGTCCA
 TGAAGGTCTATGTGGACCCCATCAACTACTGGAAGAACGCTACAACCTGCTGGATGTGA
 TCATTATCATCGTTATGTTTTTACCCTATGCCCTCCGCCAGCTCATGGGCAAACAGTTCA
 CTTACCTGTATATCGCTGATGGCATGCAGTCCCTGCGCATCCTCAAGCTTATCGGCTATA
 GCCAGGGCATCCGGACGCTGATCACCGCTGTGGGCAGACAGTCTACACCGTGGCCTCTG
 TGCTCCTCTGCTCTTCTCCTCATGTACATCTTCGCTATCTTGGGCTTCTGCCTGTTT
 GATCTCCAGACAATGGTGACCATGATAACTGNNGGAACCTGGCTGCAGCTTTTTTACCC
 TCTTCAGCTTGGCCACGTTGATGGCTGGACAGACCTGCAGAAGCAGTTGNACATCGGG
 AAAATTGCTTGAGCCGGNCATTTACATCATCTTCATCTTCTGCTCGCCTTTTCATCTTCC
 TCACATGTNCGTGGGTGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_178019 unedited
 GATGGCACTTCCAGGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGAT
 CTGTTCCAGAAACAGCTATGACCCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTT
 TTTTCAGAAAGCCTGTGTTAATAGGGACCTGTCATGGTCTGCAAGGCTCTCGGCACATG
 GGTGCCCATGCCAGCTACTTCTCATCCACCTTTTCCAAGACTGGGGCTTCTCCTGGG
 GCAAGTCTCCAGCATTAGGCTCAGCACATGCACGATCTCATAGTACAGCTCTTGAAGCT
 TGTGGACAGTTGTGTCCTGGTAGTCCAGAGTGGAAAAGTAGATATCGATGAAGGGTAAGC
 TAGTGCCAAAATCATCCAAGACCATTGGGTGAGTGGCTCAAGGCTTCTTAAAGTTCT
 CCACCAGCTCACTGAACTTGTGCACTCAGCATTTTTTCTGTATGTGCATCAGCCTGCTGA
 TCTCCTCTGCTGCCGCTGCAGAATCACCTGCTTCTCTCCATGAGCATCTCCTGCTGCT
 CCAACATCAGCTCTCGCTCAAATTTCTGATGGAGTCTCTGTGTGCATGATCATCACAC
 CCACGAACATGTTGAGGAAGATGAAAGAGGCGAGCAAGATGAANAATATGGTGAATGCC
 GGCTCAAAGCAAATCCCGATTGTCCAATGTTTCTGAGGTCTGTCAGCAATCACCGTGGC
 AACTTGAAAGGTGAAAAACTCACAGTTTCCCCC

Restriction Sites:

Please inquire

ACCN:

NM_178019

Insert Size:

6500 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_178019.1 , NP_821138.1
RefSeq Size:	1338 bp
RefSeq ORF:	1197 bp
Locus ID:	347732
UniProt ID:	Q86XQ3
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Gene Summary:	Voltage-gated calcium channel that plays a central role in calcium-dependent physiological responses essential for successful fertilization, such as sperm hyperactivation, acrosome reaction and chemotaxis towards the oocyte.[UniProtKB/Swiss-Prot Function]