

Product datasheet for **SC307632**

CATSPER4 (NM_198137) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CATSPER4 (NM_198137) Human Untagged Clone
Tag:	Tag Free
Symbol:	CATSPER4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307632 representing NM_198137. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGGATAATGAAAAGGCCTGGTGGCAGCAATGGACCTCCCATACAGGCCTCGAGGGGTGGGGCGGG
ACTCAGGAGGACCGTATGGGGTTTGGAGGGGCAGTAGCTGCACTGAGGGGCCGCCCTCTCCCCTGCAG
AGTACCATTACAGAGTCTACGGTCGGCCAGAGGAGCAAGTGCTCATCAACGCCAGGAAATCACGAAC
AAAGCGGACGCCCTGGGACATGCAGGAGTTCATCACTCACATGTACATCAAGCAGCTGCTCCGACACCCC
GCCTTCCAACCTGCTGCTGGCCCTGCTGCTGGTGATCAATGCCATCACCATCGCTCTCCGTACCACTCC
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ATTATCGTCTTTATCTTGCTCTTGCGGTTCTTCATTAATGAAATCAATATTCCTCCATCAACTACT
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TCACAAATACTCCTTAAAAAACACAAGAGCAGCCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_198137
Insert Size:	1419 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:	<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_198137.1</u>
RefSeq Size:	1419 bp
RefSeq ORF:	1419 bp
Locus ID:	378807
UniProt ID:	<u>Q7RTX7</u>
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
MW:	54.1 kDa
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]