

Product datasheet for **MC215889**

Catsper4 (NM_177866) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Catsper4 (NM_177866) Mouse Untagged Clone
Tag: Tag Free
Symbol: Catsper4
Synonyms: 4933412L05
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215889 representing NM_177866
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGAAAAACACAAGTGGTGGCAGCAGGTGGAGAACATCGACATCACACACCTGGGCCCTAAGAGAA
 AAGCCTATGAACCTCTGGGTCGGCATGAGGAGCAAGTGCTCATCAACCGCAGAGATGTCATGGAGAAGAA
 GGATGCCTGGGATGTACAGGAATTCATCACTCAAATGTATATCAAGCAGTTGCTCCGCCATCCGGCCTTC
 CAGCTGCTGCTGGCCTTTCTGCTGCTGTCCAACGCTATACCATTGCCCTTCGCACCAACTCTTATCTCG
 GTCAGAAACATTACGAGCTATTCTCGACCATAGATGACATTGTGTTGACGATCCTTATCTGCGAGGTTCT
 GCTTGGTTGGCTTAACGGCTTCTGGATTTCTGGAAGGATGGCTGGAATATCCTCAACTTCGCAATTGTC
 TTTATCTTGTGTTATGGGGTTCTTCATAAAACAACCTTGACATGGTTGCCATCACCTACCCTCTCAGGGTGC
 TCCGGCTGGTGCATGTGTATGGCGGTGGAACCCCTGGCCAGAATCATCAAGGTTATCCTGCAGTCGAT
 GCCAGACTTGGCTAATGTATGGCTCTCATCCTCTTCTCATGCTGGTATTCTCTGTGTTGGGGTCAGG
 CTCTTCGGTGCATTTGTGCCAAGCATTCCAGAACATGGGGTTGCCCTGTACACGCTCTTCATCTGCA
 TCACTCAGGATGGATGGCTGGACATCTACACTGACTTCCAGATGGATGAAAGAGAGTACGGATGGAGG
 CGGGGGCCCATCTACTTTGCCGCTTTATCACCTCGGTGCCTTCACTTGGTCTCAACTTGTTCGTCGTC
 GTGGTGACCACAAACCTGGAACAAATGATGAAGACCGGCGAGGAAGAGGGACACCTGAACATAAAGTTTA
 CTGAGACAGAAGAGGATGAGGACTGGACCGACGAGCTGCCACTGGTGCATTGTACAGAGGCCCGCAAGGA
 TACTTCCACTGTCCCAAGGAACCACTGGTTGGGGCCCCCTGAGTAACCTCACAGAAAAGACTGCGAT
 AACTTCTGCTTGGTGCTGAAGCAATACAGGAACTTGTGAGTACAAAGAGATCCGAGAGGAACTCA
 ACATGATCGTGGAGGAAGTCTCCATCCGGTTCAACCAGGAGCAGCAAAATGTATCCTACACAAGTA
 TACCTCCAAAAGCGCCACCTTCTAAGCGAGCCCCAGAAGGGGTAACAAGCAAGACTTGATCACTGCG
 CTGGTCAGCAGGAAAAGGTGTCTGATTCTAACATAAACATGGTTAACAAACACAAGTTCAGCCACTGA

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_177866
Insert Size:	1329 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:	<u>NM_177866.4</u> , <u>NP_808534.1</u>
RefSeq Size:	1730 bp
RefSeq ORF:	1329 bp
Locus ID:	329954
UniProt ID:	<u>Q8BVN3</u>
Cytogenetics:	4 D3
Gene Summary:	Voltage-gated calcium channel that plays a central role in sperm cell hyperactivation. Controls calcium entry to mediate the hyperactivated motility, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. Activated by intracellular alkalinization.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).