

## Product datasheet for MC211784

### Catsper3 (NM\_029772) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Catsper3 (NM\_029772) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Catsper3  
**Synonyms:** 4921522D01Rik; CACRC  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211784 representing NM\_029772  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCCAACATTTTCACCACAACCTGTACGAGTCAAGTCGGGCTCACTGTTTGTACAGCATCGGAAG  
 CATTGCAGGCAAGACTGAGCAAGATTAAGAGGAAGGATAAGGAGTGCCAGGCTTACTTCAGGAAGGTTAT  
 TAAGAGCACTTTCTCCAGATTGTGATGATCACCACGGTCACCACCAACTCCTTTTTACTGGTCTTGGGG  
 ACTAATTATGACATAACAATTCGAGTTTTTCAGAACCTTTGAGTTCCTCATGAAGGTCTATGTGGACCCCA  
 TTACATACTGGAAGGATGGCTATAACATACTGGATGTGATCATTCTCATATTCTCACCATACCCATATCT  
 CCTCCGAAAAATCAAGGGGAATCATTCTGCATACCTCCACTTTGCTGATGGCATCCAGTCTCTACGAATC  
 CTCAAGCTTATCTCCTACAGTAGGGGCATCAGGACACTCATATCGCTGTGGGGGAGACGGTCTACACTG  
 TGGCCTCGGTGCTGACGCTGCTCTTCTCCTCATGTTTGTGTTTCGCGATCCTGGGATTCTGCCTATTTGG  
 CGTGACGGACAGAGGCGACCTGGAGAAGTGGGGAACTGGCTTCAGCTTTCTTTACTCTCTTCAGTTTG  
 GCCACGGTTGATGGCTGGACTGACCTGCAGGAAGAGCTGGACAAGAGGAAGTTTACTGTGAGCCGGGCGT  
 TTAATCTCCTTCATCTTGTCTTGCATCCTTCATCTTCTCAACATGTTTGTGGGTGTGATGATGCA  
 CACGGAGGATTCCATGAAAAAGTTTGAGCGGGATCTGACGTTGGAGAGGAACCTTGCGATTATGGAGGAG  
 AAGCAAATAATCCTGAAACGCCAGCAAGAGGAGGTCAACAGGCTGATGAACACACAGAAAAGTGGTAGCA  
 TGAATTCATTGATATGGTGGAGGGCTTCAAGAAGACCCTGCGGCACACAGACCCATGGTTCTGGATGA  
 CTTCAGCACTAGTCTCTCCTTATTGATATCTACTTGGTCACTCTGGACAACCAAGATGTTATTGTCAGC  
 AAGCTTCAGGAGCTCTACTGTGAGATTGTGAACGTGCTGAGCCTGATGTTGGAAGACATGCCAAGGAGA  
 GCTCGTCCAGCCTCTCGGGACTAAGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_029772
<b>Insert Size:</b>	1149 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_029772.4</a></u> , <u><a href="#">NP_084048.1</a></u>
<b>RefSeq Size:</b>	1313 bp
<b>RefSeq ORF:</b>	1149 bp
<b>Locus ID:</b>	76856
<b>UniProt ID:</b>	<u><a href="#">Q80W99</a></u>
<b>Cytogenetics:</b>	13 B1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to 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>