

Product datasheet for MC227472

Catsper3 (NM_001252487) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Catsper3 (NM_001252487) 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: >MC227472 representing NM_001252487
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAACATTTTACCACAACCCTGTACGAGTCAAGTCGGGCTCACTGTTTGTACAGCATCGGAAG
 CATTGCAGGCAAGACTGAGCAAGATTAAGAGGAAGGATAAAGGAGTGCCAGGCTTACTTCAGGAAGGTTAT
 TAAGAGCACTTTCTCCAGATTGTGATGATCACCACGGTCACCACCAACTCCTTTTTACTGGTCTTGGGG
 ACTAATTATGACATAAATTCGAGTTTTTCAGAACCTTTGAGGTCTCAGAGCTTTTCTTTGTATCTGTCT
 ATGTCTCGGAGTTCCTCATGAAGTCTATGTGGACCCATTACATACTGGAAGGATGGCTATAACATACT
 GGATGTGATCATTCTCATCATTCTACCATACCCTATCTCCTCCGAAAAATCAAGGGGAATCATTCTGCA
 TACCTCCACTTTGCTGATGGCATCCAGTCTCTACGAATCCTCAAGCTTATCTCCTACAGTAGGGGCATCA
 GGACACTCATCATCGCTGTGGGGGAGACGGTCTACACTGTGGCCTCGGTGCTGACGCTGCTTCTCCTCT
 CATGTTTGTGTTCCGATCCTGGGATTCTGCCTATTTGGCGTGACGGACAGAGGCGACCTGGAGAAGTGG
 GGAACCTGGCTTCAGCTTTCTTACTCTTTCAGTTTGGCCACGGTTGATGGCTGGACTGACCTGCAGG
 AAGAGCTGGACAAGAGGAAGTTTACTGTGAGCCGGGCTTACTATCCTTTCATCTTGTGATCCTT
 CATCTTCTCAACATGTTTGTGGGTGTGATGATCATGCACAGGAGGATTCCATGAAAAAGTTTGAGCGG
 GATCTGACGTTGGAGAGGAACCTTGCGATTATGGAGGAGAAGCAATAATCCTGAAACGCCAGCAAGAGG
 AGGTCAACAGGCTGATGAACACACAGAAAAGTGGTAGCATGAACTTCATTGATATGGTGGAGGGCTTCAA
 GAAGACCTGCGGCACACAGACCCCATGGTCTGGATGACTTCAGCACTAGTCTCTCCTTCATTGATATC
 TACTTGGTCACTCTGGACAACCAAGATGTTATTGTGAGCAAGCTTCAGGAGCTCTACTGTGAGATTGTGA
 ACGTGCTGAGCCTGATGTTGGAAGACATGCCAAAGGAGAGCTCGTCCAGCCTCTCGGGACTAAGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001252487
Insert Size:	1188 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252487.1</u> , <u>NP_001239416.1</u>
RefSeq Size:	1352 bp
RefSeq ORF:	1188 bp
Locus ID:	76856
UniProt ID:	<u>Q80W99</u>
Cytogenetics:	13 B1
Gene Summary:	<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 (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>