

Product datasheet for **MC218490**

Catsper3 (BC089518) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Catsper3 (BC089518) 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:	>BC089518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCACCACGGTCACCACCACTCCTTTTTACTGGTCTGGGGACTAATTATGACATAACAATTCGAGT
TTTTCAGAACCTTTGAGGTCTCAGAGCTTTTCTTTGTATCTGTCTATGTCTGCGAGTTCCATGAAGGT
CTATGTGGACCCATTACATACTGGAAGGATGGCTATAACATACTGGATGTGATCATTCTCATCATTCTC
ACCATACCCTATCTCCTCCGCAAAATCAAGGGGAATCATTCTGCATACCTCCACTTTGCTGATGGCATCC
AGTCTCTACGAATCCTCAAGCTTATCTCCTACAGTAGGGGCATCAGGACACTCATCATCGCTGTGGGGGA
GACGGTCTACACTGTGGCCTCGGTGCTGACGCTGCTCTTCCTCCTCATGTTTGTGTTTCGGCATCCTGGGA
TTCTGCCTATTTGGCGTGACGGACAGAGGCGACCTGGAGAAGTGGGGAACTGGCTTCAGCTTTCTTTA
CTCTCTTCAGTTTGGCCACGGTTGATGGCTGGACTGACCTGCAGGAAGAGCTGGACAAGAGGAAGTTTAC
TGTGAGCCGGGCGTTTACTATCCTCTTCATCTTGCTTGCATCCTTCATCTTCCTCAACATGTTTGTGGGT
GTGATGATCATGCACACGGAGGATCCATGAAAAAGTTTGAGCGGGATCTGACGTTGGAGAGGAACCTTG
CGATTATGGAGGAGAAGCAAATAATCCTGAAACGCCAGCAAGAGGAGGTCAACAGGCTGATGAACACACA
GAAAAGTGGTAGCATGAACTTCATTGATATGGTGGAGGGCTTCAAGAAGACCCTGCGGCACACAGACCCC
ATGTTTCTGGATGACTTCAGCACTAGTCTCCTTCATTGATATCTACTTGGTCACTCTGGACAACCAAG
ATGTTATTGTCAGCAAGCTTCAGGAGCTCTACTGTGAGATTGTGAACGTGCTGAGCCTGATGTTGGAAGA
CATGCCAAGGAGAGCTCGTCCAGCCTCTCGGGACTAAGTTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	BC089518



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Insert Size:	1023 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:	BC089518 , AAH89518
RefSeq Size:	1511 bp
RefSeq ORF:	1022 bp
Locus ID:	76856
Cytogenetics:	13 B1
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]