

Product datasheet for **MR224271**

Catsper1 (NM_139301) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Catsper1 (NM_139301) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Catsper1
Synonyms:	Catsper; KSper
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224271 representing NM_139301
 Red=Cloning site Blue=ORF Green=Tags(s)

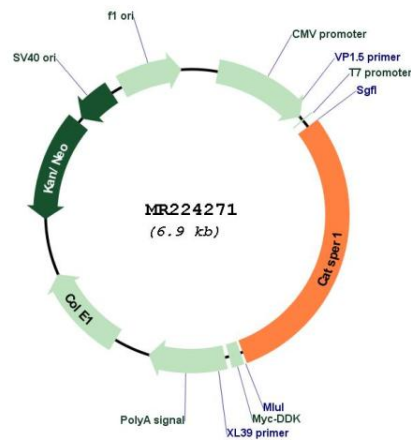
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCAATCTTCAAGGAGGGACGAGTCTTACCATGAGACACACCCCGTAGCTTAGACCCAAGCCATC
 AATCCCACCCCAACCCCAACCCCAACCCCAACCCCGCATAGGCCAAACCAAGGTGGCGTCTATTACGATTC
 TCCTCAGCATGGGATGTTCCAACAACCATACCAACAGCATGGTGGTTCCATCAACAAAATGAATTGCAG
 CATTGCGTGAGTTCTCAGACTCCCATGACAATGCTTTCTCCCATCATTCTATCAGCAGGACAGGGCTG
 GTGTCTTACCTTACCTAATAACATCTCTCAGCCTTATGGTGGATCGCACCCCTTGCTGAGTCCCAGCA
 CTCTGGTGGACCCAGAGTGGACCTCGATTGACCCGAATCATCATCCCCACCAAGATGACCCCATAGA
 CCCAGTGAACCTTGTCCCACCCCTCTCTACTGGCAGCCACCAAGGGACAACCCATCAACAATACCATG
 AGAGGTCTCACCATCTTAACCCCAAGCAGAACAGAGATCATGCAGACACCATTTCCTATCGCTCCAGTAC
 GCGGTTCTATCGCTCCCATGCGCCGTTCCAGTCGCCAGGAAAGACCTCATCTCCACGCTGATCACCATCAT
 GAGGGCCATCATGCCATTCTCACCATGGTGAACATCCCCACCACAAGGAGCAACGGCACTATCACGGAG
 ATCATATGCATCACCATATCCATCATCGCTCCCAAGTGCTCCCAACTCTCACACAAGTCTCACAGCAC
 ACTTGCCACCTCTCCATCTCATGTGGGATCGAAAAGCACAGCCAGTGGGGCTCGGTACACCTTTGGAGCT
 CGCTCTCAATTTTCGGCAAAGCTCAGTCCAGGGAGAGCTTGAGAGAATCAGCCTCTTTGAGTGAAGGGG
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 CTGAGCTAGAGATCCGAGGTGAATGGTACTTCTGTTGACTCCATCTTCTCTCCATCTATGTACT
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 TTCATCATGGTTCATGGCAGTGGTGGACTTTGTGCTCCTTCAGATAAACTCGCTCTCATATTCATTCTACA
 ACCACAGCCTGTTCCGGATTCTCAAAGTCTTCAAAGTATGCGGGCCCTGAGGGCCATCCGGGTTCTTCG
 GAGGCTCAGCATCCTGACCAGCCTCCACGAAGTGGCCGGGACTCTGAGTGGATCTTACCATCCATCAG
 GCCATCTCACCCCTCATGTTTACCTGCCTCTTCTCTTCTGTGGTTCTCCGAGCACTGTTTCAGGACT
 CAGACCCCAAGCGCTTCCAGAACATCTTACCACACTCTTACCCTGTTCCACATGCTCACCTGGACGA
 CTGGTCCCTCATCTACATAGACAACAGGGCCCAAGGCGCCTGGTACATCATACCGATCCTCATGATTAC
 ATTGTCATCCAGTACTTCATCTTCTCAACCTGGTATTGCTGTCTGGTAGATAACTTCCAGATGGCGT
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 TGTGACAGATCTCAACAAGCAGACGCCAATGCACAAATGACCGAGGAGGCCTTGAAGATGCAGCTTATT
 GAGGGAATGTTTGGCAACATGACAGTGAAGCAGCGGGTGTCCACTTCCAGTTTCCAGTTGGTGGCAG
 CGGTAGAACAGCATCAACAGAAGTTTCGTTCCCAAGCGTACGTATCGATGAGCTTGTGGACATGGCATT
 TGAGGCTGGAGACGACGACTACGGGAAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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:	NM_139301.3
RefSeq Size:	2061 bp
RefSeq ORF:	2061 bp
Locus ID:	225865
UniProt ID:	Q91ZR5
Cytogenetics:	19 A
MW:	79.2 kDa
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]

Product images:



Circular map for MR224271