

Product datasheet for MR219014

Catsper4 (NM_001130030) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Catsper4 (NM_001130030) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Catsper4
Synonyms:	4933412L05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219014 representing NM_001130030 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAAAAACACAAGTGGTGGCAGCAGGTGGAGAACATCGACATCACACACCTGGGCCCTAAGAGAA
AAGCCTATGAACTCCTGGGTCGGCATGAGGAGCAAGTGCTCATCAACCGCAGAGATGTCATGGAGAAGAA
GGATGCCTGGGATGTACAGGAATTCATCACTCAAATGTATATCAAGCAGTTGCTCCGCCATCCGGCCTTC
CAGCTGCTGCTGGCCTTTCTGCTGCTGTCCAACGCTATCACCATTGCCCTTCGCACCAACTTTATCTCG
GTCAGAAACATTACGAGCTATTCTCGACCATAGATGACATTGTGTTGACGATCCTTATCTGCGAGGTTCT
GCTTGGTTGGCTTAACGGCTTCTGGATTTCTGGAAGGATTCTCTGTGTTGGGGTCACGCTCTTCGGT
GCATTTGTGCCAAGCATTTCCAGAACATGGGGGTTGCCCTGTACACGCTCTTCACTGTCATCACTCAGG
ATGGATGGCTGGACATCTACACTGACTTCCAGATGGATGAAAGAGAGTACGCGATGGAGGTGGGGGGCGC
CATCTACTTTGCCGCTTTATCACCCCTCGGTGCCCTTCAATTGGTCTCAACTTGTCGTCGTCGTTGACC
ACAAACCTGGAACAAATGATGAAGACGGCGAGGAAGAGGGACACCTGAACATAAAGTTTACTGAGACAG
AAGAGGATGAGGACTGGACCGACGAGCTGCCACTGGTGCATTGTACAGAGGCCGCAAGGATACTCCAC
TGTCCCAAGGAACCACTGGTTGGGGCCCCCTGAGTAACCTCACAGAAAAGACCTGCGATAACTTCTGC
TTGGTCTTGAAGCAATACAGGAACTTGATGGAGTACAAAGAGATCCGAGAGGAACTCAACATGATCG
TGGAGGAAGTGTCTCCATCCGGTTCAACCAGGAGCAGCAAAATGTGATCCTACACAAGTATACCTCCAA
AAGCGCCACCTTCTAAGCGAGCCCCAGAAGGGGCTAACAAGCAAGACTTGATCACTGCGCTGGTCAGC
AGGAAAAGGTGTCTGATTCTAACATAAACATGGTTAACAAAACAAGTTCAGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

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_001130030.1](#), [NP_001123502.1](#)

RefSeq Size: 1511 bp

RefSeq ORF: 1110 bp

Locus ID: 329954

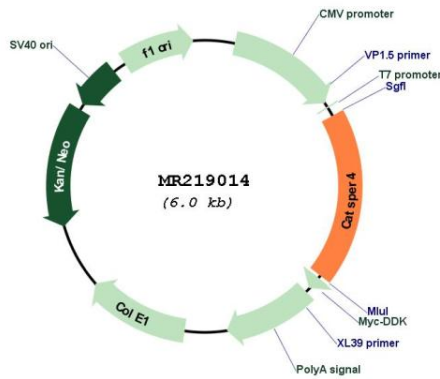
UniProt ID: [Q8BVN3](#)

Cytogenetics: 4 D3

MW: 43.2 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 MR219014