

Product datasheet for **MC223744**

Catsperg2 (NM_029714) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Catsperg2 (NM_029714) Mouse Untagged Clone
Tag: Tag Free
Symbol: Catsperg2
Synonyms: 1700067C01Rik; CATSPERG
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223744 representing NM_029714
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGTCCCGGCCAGCCATGTCCCTGTGAGCCCTGTGTGGCCGAGAAAACCAACCTTTGGGCATTCT
GGGTACTGCGGCTAGTGCTATTGCTGTCATTGAAGTCGTGGGCTGAAGATGCTTTACAGCATTGCACCTG
GCTTCTGTCTGAACAAGTTCGAGAAGGTAGGCTTGCATCTCTCCAAGGATCGATTTCAAGATCATGAG
CCATCGATACAGTGGCCAAGGTGTTCCAAAAGTTGACAGACTCGCCAATCGATCCGTCAGAGAACTATT
TGAGCTTTCCTTACTACCTGCAATCAACTTTTCTGTCCGGGACAGAATATCGAGGAGCTGGCCCCGAAA
GGGCCACCTGATGGGGATGAAGCCCATGGTCCAGATCAACTACATGTAAGTCAAGTCAATTTCTACCGTTGG
GAGATGGAAAAATGACAGATTCTGATGGAGGCTGCTCCAATGCGCAGCACAGGGTACTGCCCGCAGAGG
CCATGTGCGTCTGAACTGGTACACACCCATGCCCTTTAAAAACGGCTCCGTGGTCTCCTCAGTGGACAT
CTATACCAATGGTATAGGGCCCTTCGTATCCAAGAAAAGGTTCTATGTGAATATGAATGGCTTCTTGAAG
AGAGATGCAAGTGGTAAATCCTTATTGCCATAGGATATGAGAGCCTTGTCTGAAGTCGAGTCACTTTA
GGCTTTTCAAATCAAGACCCCTGTGGTACACTGTGAACCATGCCCGTGTTCATCCTTTGGGGCTTTTA
TGATGAAAAGTCCATCCTGTTCTCAGATTCTAATTTCCAGGACTATGTTCTCTGGAGCTGAGTATTGAC
AGTTGCTGGGTCGGCTCCTTCTACTGTCCATTCTGGCTTCTCAGCCACCATCCATGACGCCATTGCCA
CCGAGAGCAGCTCTTCAATTCGACAGAACCAGCTTGTCTACTATTTACAGGCACCTACATCACACTCTT
CGACAAAAGCCATGGCAGCAGCAGATGGGTTCTGTCTGCTGCTAGCGAGTGCATTAAGAGACTGTGCCCG
GTGTATGCCAGTGGCAATGGTTCTGAGTACGTCCTAGCCCTCACCCTGGCAAGAATGAGGGTTATATTC
ACATCGGGACCATCACAGATGGCCTCGTGTCTCGAGATGGTCCAGATGGCTGGTCAAGTATGTGAAAA
ATTACCAGGTAAGAACTGCAGCATCGACTGGGCTACATACATCGCTGATGAGAGGAACCTGCTGTTGTTA
GTGAAAATTGACTCTGGCAATTTTACCTAGTCAACTTTAATACAGAGTTCAAGACTCTGAATATCTCTCT
ACAAAATACCAGAGTTTATACCGAAGCTAAGGAACTAGACTTCTTGGTGTCTTGTATACAGTGACATA
CACCAACTCTATGACACCAAGGGCTGTTCTTCAACACATTGAACAACATGTTGTACATCTGGGGC
AACTTCATCCTGCAAAGCTACAATAGGGAAGAATTCATTTTTCTGGCAGACTTTCCCAAGGAGTCCACCA



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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_029714.3](#), [NP_083990.2](#)

RefSeq Size: 3957 bp

RefSeq ORF: 3438 bp

Locus ID: 76718

UniProt ID: [C6K189](#)

Cytogenetics: 7 B1

Gene Summary: Probably involved in sperm cell hyperactivation via its association with CATSPER1. Sperm cell hyperactivation is needed for sperm motility which is essential late in the preparation of sperm for fertilization.[UniProtKB/Swiss-Prot Function]