

Product datasheet for **MC208627**

H2-Ke6 (NM_013543) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-Ke6 (NM_013543) Mouse Untagged Clone
Tag: Tag Free
Symbol: H2-Ke6
Synonyms: D17H6S112E; H-2Ke6; Hsd17b8; Ke-6; Ke6; Ring2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208627 representing NM_013543
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCTCAGCTCCGGCTCCGCTCTGCGCTGGCCCTGGTACAGGTGCGGGTAGCGGCATCGGCCGTG
 CGATCAGCGTGCCTAGCGGCAGAGGGCGCCCGTGGCCGCTGCGACCTGGACGGGGCCGGCACA
 GGACACGGTCCGGCTGCTGGGAAGCCCGGGGAGCGAGGACGGGGCGCCGCGGCAAGCACGCTGCCTT
 CAAGCGGATGTGTCTCAGGGCCCCGAGCCAGACGCTGCTGGAGGAAGTGCAGGCTGCTTTTCTCGCC
 CGCCATCTGTCGTGTGTCTGTGCGGGCATCACACGCGATGAGTTTCTGCTCCACATGTCAGAAGAAGA
 CTGGGACAGAGTCATAGCTGTCAACCTCAAGGGCACCTTCTAGTCACTCAGGCTGCAGCCAGGCTTTA
 GTGTCCAGTGGCGGCTCGTGGCTCCATCATCAACATTAGTAGCATCATTGGAAAGGTGGGGAATATCGGAC
 AAACGAATTATGCGTTCGTCCTCAAAGCAGGAGTGATTGGGCTCACCCAGACTGCGGGCCGGGAGCTTGGACG
 ACATGGAATCCGATGTAACCTCGGTCTCCAGGGTTTATTGCAACGCCCATGACCCAGAAAATGCCAGAG
 AAAGTGAAGGACAAGGTAACGCAATGATTCCGTTGGGACACATGGGGGACCCTGAGGATGTGGCAGATG
 TGGTTGCATTCTGGCATCTGAAGACAGTGATACATCACAGGGGCCCTCCGTGGAAGTCACTGGAGGCT
 TTT**CATGTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013543
Insert Size: 780 bp



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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:	NM_013543.2 , NP_038571.2
RefSeq Size:	981 bp
RefSeq ORF:	780 bp
Locus ID:	14979
UniProt ID:	P50171
Cytogenetics:	17 17.98 cM
Gene Summary:	NAD-dependent 17-beta-hydroxysteroid dehydrogenase with highest activity towards estradiol. Has very low activity towards testosterone (PubMed:9712896). The heterotetramer with CBR4 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity, and thereby plays a role in mitochondrial fatty acid biosynthesis. Within the heterotetramer, HSD17B8 binds NADH; CBR4 binds NADPD.[UniProtKB/Swiss-Prot Function]