

Product datasheet for **MC208624**

H2-Ea-ps (NM_010381) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-Ea-ps (NM_010381) Mouse Untagged Clone
Tag: Tag Free
Symbol: H2-Ea-ps
Synonyms: AI323765; E-alpha-f; H-2Ea; H2-Ea; I-Ealpha; Ia-3; Ia3; MHC-H2-Ea
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208624 representing NM_010381
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACAATTGGAGCCCTGCTGTTAAGATTTTCTTCATTGCTGTTCTGATGAGCTCCAGAAGTCAT
GGGCTATCAAAGAGGAACACACCATCATCCAGGCGGAGTTCTATCTTTTACCAGACAAACGTGGAGAGTT
TATGTTTGACTTTGACGGCGATGAGATTTCCATGTAGACATTGAAAAGTCAGAGACCATCTGGAGACTT
GAAGAATTTGCAAAGTTTGCCAGCTTTGAGGCTCAGGGTGCACTGGCTAATATAGCTGTGGACAAAGCTA
ACCTGGATGTCATGAAAGAGCGTTCACAACAACACTCCAGATGCCAACGTGGCCCCAGAGGTGACTGTACT
CTCCAGAAGCCCTGTGAACCTGGGAGAGCCCAACATCCTCATCTGTTTCATTGACAAGTTCTCCCCTCCA
GTGGTCAATGTCACCTGGTTCGGAAATGGACGGCCTGTCACCGAAGGCGTGTGAGAGACAGTGTTTCTCC
CGAGGGACGATCACCTCTCCGCAAATCCACTATCTGACCTTCTGCCCTCCACAGATGATTTCTATGA
CTGTGAGGTGGATCACTGGGTTTGGAGGAGCCTCTGCGGAAGCACTGGGAGTTTGAAGAGAAAACCTC
CTCCCAGAAACTACAGAGAATGTCGTGTGTCTTGGGTTGTTGTGGGCTGGTGGGCATCGTTGTGG
GGATTATCCTCATCATGAAGGGATTAATAAACGCAATGTTGTAGAACCGCCGACAAGGAGCCCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010381
Insert Size: 768 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_010381.2 , NP_034511.2
RefSeq Size:	887 bp
RefSeq ORF:	768 bp
Locus ID:	100504404
UniProt ID:	P04224
Cytogenetics:	17 17.98 cM
Gene Summary:	This locus belongs to the class II major histocompatibility complex (MHC) family of genes, which encode immune response (Ia) antigens that function in the T-cell-dependent immune response. This family member has multiple haplotypes, some of which result in the production of an E-alpha subunit that combines with an E-beta subunit to form a functional E complex at the cell surface. Other haplotypes, including that of the reference genome allele, contain mutations and they thus represent polymorphic pseudogenes that do not produce functional products. These mutations include frameshifting indels, nonsense mutations, and deletions of larger regions. The reference genome haplotype contains a deletion at the 5' end of the gene, including the core promoter region and the transcription start site, and therefore no transcripts result from this haplotype. [provided by RefSeq, Aug 2011]