

Product datasheet for **TR500911**

H2 Mouse shRNA Plasmid (Locus ID 14968)

Product data:

Product Type:	shRNA Plasmids
Product Name:	H2 Mouse shRNA Plasmid (Locus ID 14968)
Locus ID:	14968
Synonyms:	4.7H; 5.3H; 6.9H; 9.5H; 15H; 27b; 37b; 37c; 15006; 0610037M15Rik; A-beta-2; A-beta2; A130038H09Rik; Aalpha; Abeta; AI323765; AI385589; AI845868; BE136769; C920025E04Rik; CRW2; D17H6S112E; D130003B22Rik; E-alpha-f; E-beta-b; EG630499; ENSMUSG00000079507; Gm7035; Gm11132; gs14-2; H-2Aa; H-2Ab; H-2D; H-2D4; H-2Ea; H-2Eb; H-2Eb2; H-2I; H-2K; H-2K(d); H-2K1; H-2K1K; H-2K2; H-2Ke2; H-2Ke6; H-2M1; H-2M2; H-2M3; H-2M5; H-2Ma; H-2Mb1; H-2Mb2; H-2Oa; H-2Ob; H-2Q1; H-2Q2; H-2Q4; H-2Q5; H-2Q6; H-2Q7; H-2Q8; H-2Q10; H-2T3; H-2T9; H-2T10; H-2T17; H-2T22; H-2T23; H-2T24; H2-Ab; H2-Ab2; H2-B1; H2-D; H2-Ea; H2-Eb; H2-Gs10; H2-IAb2; H2-K; H2-K1; H2-Ma; H2-Mb1; H2-Mb2; H2-Qa-Mb1; H2-Qa1; H2-T17; H2-Tw3; H2Aa; H2Eb; Hmt; Hsd17b8; I-A; I-Aalpha; I-Abeta; I-Ealpha; Ia-1; Ia-2; Ia-3; Ia-4; Ia-5; Ia1; Ia2; Ia3; Ia4; Ia5; IAalpha; IAb; Iebeta2; K-f; Ke-2; Ke-6; Ke6; M3a; M9; Mb1; MMS10-T; Ms10t; Ob; Ped; Pfdn6; Q1; Q1b; Q1d; Q1k; Q9; Q10; Qa-1; Qa-1(b); Qa-2; Qa-4; Qa-5; Qa-6; Qa-7; Qa-8; Qa1; Qa4; Qa5; Qa6; Qa7; Qa8; Qa10; Qat-4; Qat-5; Qb-1; Qb1; Qed-1; R4B2; Ring2; Rmcs1; T18c; T18c(37); T22b; T23b; T23d; Thy19.4; TL
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	H2 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 14968). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC106107 , NM_010381.1



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Summary:	<p>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 2010]</p>
shRNA Design:	<p>These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.</p>
Performance Guaranteed:	<p>OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.</p> <p>For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).</p>