

Product datasheet for MC208618

H13 (NM_010376) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H13 (NM_010376) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H13
Synonyms:	1200006O09Rik; 4930443L17Rik; 5031424B04Rik; AV020344; H-13; Hm13; PSL3; Spp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208618 representing NM_010376 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATTCGGCTGTCAGCGATCCGCACAACGGCAGCGCCGAGGCTGGCACCCAGCCAACGGCAGCAGCG
GGCCGCCCTCCACGCCGAGGGCATCGCGCTGGCTACGGCAGCCTCCTGCTCATGGCGTCTGCCAT
CTTCTTCGGCGCCCTGCGCTCGGTGCGCTGCGCCCGGCAAGAGCTCTTCGGACATGCCAGAAACCATC
ACCACTCGAGATGCCGCCGCTTCCCCATCATCGCCAGCTGCACACTCCTGGGGCTCTACCTCTTTTTCA
AAATATCTCCCAGGAGTACATCAACCTCTTGCTGTCCATGTATTTCTTCGTGCTGGGGATCCTGGCCCT
GTCACACACCATCAGCCCTTCAATGAATAAGTTTTTCCAGCCAACCTCCCAAACCGCCAGTATCAGCTG
CTCTTCACACAGGGCTCTGGGAAAAACAAAGAAGATCATCAACTATGAGTTTGACACTAAGGACCTGG
TGTGCCTGGCCTAAGCAGCGTCGTTGGTGTCTGGTACCTTCTGAGGAAGCACTGGATTGCCAACAACT
GTTTGGCTGGCCTTCTCCCTTAATGGGTAGAGCTCTGCACCTGAACAACGTGAGCACTGGCTGTATC
CTGCTCGGAGGACTCTTCATCTATGACATCTTCTGGGTATTCGGCACCAACGTGATGGTGACAGTGGCCA
AGTCTTTGAGGCACCAATAAAATTTGGTGTCCCGGAGATCTGCTGGAGAAGGGCCTTGAAGCAGACAA
CTTTGCCATGCTGGGACTTGGAGACATTGTCAATCCAGGATCTTCATTGCCTTACTGCTTCGTTTTGAC
ATCAGCTTGAAGAAGAACACGCACACCTACTTCTACACCAGCTTCGCGCCTACATCTTCGGCCTGGGT
TCACCATCTTCATCATGCACATCTCAAGCAGCCAGCCGGCTCTCCTGTACCTGGTCCCTGCCTGCAT
CGGCTTTCCTGTCTGGTGGCACTAGCCAAGGGAGAAGTGGCCGAGATGTTCAAGTTATGAGGAGTCCAAC
CCTAAAGATCCAGCAGCCGAGACTGAATCCAAAGAGGAGTCAACAGAGGCGTCGGCATCGAAGAGGCTAG
AGAAGAAGGAGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul



[View online »](#)

ACCN:	NM_010376
Insert Size:	1137 bp
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:	<u>NM_010376.4</u> , <u>NP_034506.1</u>
RefSeq Size:	5202 bp
RefSeq ORF:	1137 bp
Locus ID:	14950
UniProt ID:	<u>Q9D8V0</u>
Cytogenetics:	2 75.41 cM
Gene Summary:	<p>Catalyzes intramembrane proteolysis of some signal peptides after they have been cleaved from a preprotein, resulting in the release of the fragment from the ER membrane into the cytoplasm. Required to generate lymphocyte cell surface (HLA-E) epitopes derived from MHC class I signal peptides. Involved in the intramembrane cleavage of the integral membrane protein PSEN1. Cleaves the integral membrane protein XBP1 isoform 1 in a DERL1/RNF139-dependent manner (By similarity). May play a role in graft rejection (PubMed:9354467). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>