

Product datasheet for **MC208617**

H13 (NM_001159553) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: H13 (NM_001159553) 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: >MC208617 representing NM_001159553
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTGGCTGTCAGCGATCCGCACAACGGCAGCGCCGAGGCTGGCACCCAGCCAACGGCAGCAGCG
GGCCGCCCTCCACGCCGAGGGCATCGCGCTGGCTACGGCAGCCTCTGCTCATGGCGTCTGCCAT
CTTCTTCGGCGCCCTGCGCTCGGTGCGCTGCGCCCGCGCAAGAGCTCTTCGGACATGCCAGAAACCATC
ACCACTCGAGATGCCGCCGCTTCCCCATCATCGCCAGCTGCACACTCCTGGGGCTCTACCTCTTTTCA
AAATATCTCCCAGGAGTACATCAACCTCTTGCTGTCCATGTATTTCTTCGTGCTGGGGATCCTGGCCCT
GTCACACACCATCAGGTGAGAAGGCATCTCTCGACAGCCTTTGAAGCTGCTTTCTCAGGAGCCAGTACAG
GGTCTTGATGGGAACATGGTCTTTGTGTCATTCAGAGCCAGGTTAAATCCTGGCTGTAAATCCAAG
GGAATCTCCCTCACGTCAGCACTATAC**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001159553
Insert Size: 522 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).



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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_001159553.1, NP_001153025.1</u>
RefSeq Size:	4499 bp
RefSeq ORF:	522 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 (4) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (4) has a shorter and distinct C-terminus compared to isoform 1.</p>