

Product datasheet for MR224629

H2-Eb1 (NM_010382) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: H2-Eb1 (NM_010382) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: H2-Eb1
Synonyms: Eb; H-2Eb; H2Eb; Ia-4; Ia4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224629 representing NM_010382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTGGCTCCCCAGAGTTCCTGTGTGGCAGCTGTGATCCTGTTGCTGACAGTGCTGAGCCCTCCAG
 TGGCTTTGGTCAGAGACTCCAGACCATGGTTTTTGAATACTGTAATCTGAGTGCATTTCTACAACGG
 GACGCAGCGCGTGGCTTCTGAAAGATACTTCTACAACCTGGAGGAGAACCTGCGCTTCGACAGCGAC
 GTGGCGGAGTTCGCGCGGTGACCGAGCTGGGGCGGCCAGACGCCGAGAAGTGGAAACAGCCAGCCGGAGT
 TCCTGGAGCAAAAGCGGGCCGAGGTGGACACGGTGTGCAGACACAATATGAGATCTCGGATAAATTCCT
 TGTGCGGCGGAGAGTTGAGCCTACGGTGACTGTGTACCCCAAAAGACACAGCCCTGGAACACCCACAAC
 CTCTGCTGCTGCTGTGAGTGACTTCTACCCTGGCAACATTGAAGTCAGATGGTTCCGGAATGGCAAGG
 AGGAGAAAACAGGAATTGTGCCACGGCCTGGTCCGAAATGGAGACTGGACCTTCAGACACTGGTGAT
 GCTGGAGACGGTTCCTCAGAGTGGAGAGGTTTACACCTGCCAGGTGGAGCATCCAGCCTGACCGACCTT
 GTCACGGTCGAGTGAAAGCACAATCCACATCTGCACAGAACAAGATGTTGAGTGGAGTTGGGGCTTCG
 TGCTGGCCTGCTCTTCTGGGAGCGGGCTGTTTCATCTACTTCAGGAACAGAAAGGACAGTCTGGACT
 TCAGCCAAACAGGACTCCTGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224629 representing NM_010382
Red=Cloning site Green=Tags(s)

MVWLPRVPCVAAVILLTTLVLSPPVALVRDSRPWFLEYCKSECHFYNGTQVRVLLERYFYFNLEENLRFDS
 VGEFRAVTELRPDAENWNSQPEFLEQKRAEVDTVCRHNYEISDKFLVRRRVEPTVTVPYTKTQPLEH
 LLVCSVSDFYPGNIEVRWFRNGKKEKTGIVSTGLVRNGDWFQTLVMLETVPQSGEVYTCQVEHPSL
 TDPVTVEWKAQSTSAQNKMLSGVGGFVLGLLFLGAGLFIYFRNQKQSGLQPTGLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2316_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010382

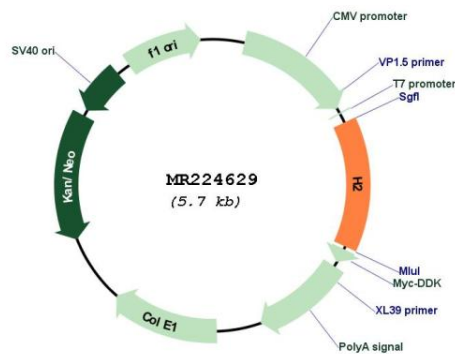
ORF Size: 792 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_010382.2</u> , <u>NP_034512.2</u>
RefSeq Size:	1669 bp
RefSeq ORF:	795 bp
Locus ID:	14969
Cytogenetics:	17 17.98 cM
MW:	30.6 kDa

Product images:


Circular map for MR224629