

Product datasheet for MC211827

H2az2 (NM_029938) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H2az2 (NM_029938) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	H2az2
Synonyms:	C530002L11Rik; H2a; H2A.Z; H2a.z-2; H2A.Z2; H2afv; H2av; Tg(Wnt1-cre)11Rth; Wnt1-Cre; Wnt1::Cre; Wnt1cre
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211827 representing NM_029938 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGAGGCAAAGCTGGAAAAGACAGTGGGAAGGCCAAGGCTAAGGCGGTGTCTCGTTCCAGCGAG
CTGGGCTCCAGTTTCTGTGGCCGCATCCACAGACACTGAAGACTCGCACCACAAGCCATGGACGGT
GGGCGCCACTGCTGTGTACAGTGCCGCAATCTGGAGTACCTCACAGCTGAGGTGTTGGAGTTAGCA
GGTAATGCTTCAAAGATCTCAAAGTGAAGCGCATCACCCACGTCACCTACAGCTTGAATCCGCGGTG
ATGAAGAGTTGGATTCTTATCAAGGCCACCATAGCCGGGGCGCGTATCCCGCACATCCACAAGTC
TCTGATTGGAAAGAAGGGCAGCAGAAAAGCTAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_029938
Insert Size:	387 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_029938.1</u> , <u>NP_084214.1</u>
RefSeq Size:	1636 bp
RefSeq ORF:	387 bp
Locus ID:	77605
UniProt ID:	<u>Q3THW5</u>
Cytogenetics:	11 A1
Gene Summary:	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a replication-independent histone that is a member of the histone H2A family. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (1) encodes the longer 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>