

Product datasheet for MG200740

Hist2h2aa1 (BC062255) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Hist2h2aa1 (BC062255) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Hist2h2aa1

Synonyms: Al448581; H2a-614; H2a-615; Hist2

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200740 representing BC062255

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTCCGGTCGTGGCAAGCAAGGAGGCAAGGCCCGCGCCAAGGCCAAGTCGCGGTCTTCCCGGGCCGGGC TACAGTTCCCGGTGGGGCGTGTGCACCGGCTGCTGCGCAAGGGCAACTACGCGGAGCGTGTGGGTGCCGG CGCGCCGGTATACATGGCGGCGGTGCTGGAGTACCTAACGGCCGAGATCCTGGAGCTGGCGGCAACGCG GCCCGCGACAACAAGAAGACGCGCATCATCCCGCGCCACCTGCAGCTGGCCATCCGCAACGACGAGGAGC TCAACAAGCTGCTGGGCAAAGTGACGATCGCGCAGGGCGGCGTCCTGCCCAACATCCAGGCCGTGCTGCT

GCCCAAGAAGACGGAGAGCCACCATAAGGCGAAGGGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200740 representing BC062255

Red=Cloning site Green=Tags(s)

MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYMAAVLEYLTAEILELAGNA

ARDNKKTRIIPRHLQLAIRNDEELNKLLGKVTIAQGGVLPNIQAVLLPKKTESHHKAKGK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



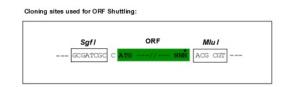
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

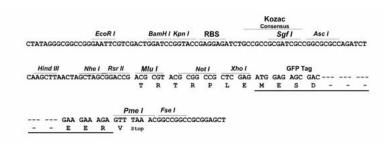
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





ACCN: BC062255 **ORF Size:** 392 bp

OTI Disclaimer: 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: 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>BC062255</u>, <u>AAH62255</u>

RefSeq Size: 552 bp RefSeq ORF: 392 bp



Locus ID: 15267

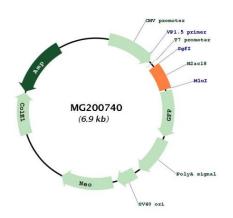
Cytogenetics: 3 41.69 cM

Gene Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the

chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a

member of the histone H2A family. [provided by RefSeq, Oct 2015]

Product images:



Circular map for MG200740