

OriGene Technologies, Inc.

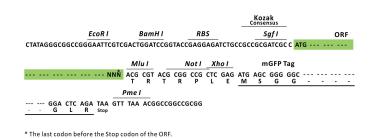
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RC209635L2

HIST2H2BE (H2BC21) (NM_003528) Human Tagged Lenti ORF Clone

Product data:

| Product Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | HIST2H2BE (H2BC21) (NM_003528) Human Tagged Lenti ORF Clone |
| Tag: | mGFP |
| Symbol: | H2BC21 |
| Synonyms: | GL105; H2B; H2B.1; H2BE; H2BFQ; H2BGL105; H2BQ; HIST2H2BE |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC209635). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | |
| | Cloning sites used for ORF Shuttling: |
| | <i>Sgf I</i> ORF <i>Mlu I</i> GCG ATC GCC ATG// NNN ACG CGT |



ACCN: ORF Size: NM_003528 378 bp



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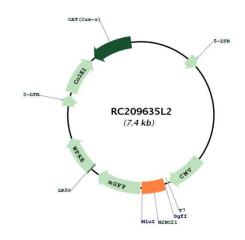
| of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact 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 infoOTI 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. | | ST2H2BE (H2BC21) (NM_003528) Human Tagged Lenti ORF Clone – RC209635L2 |
|---|---------------------|--|
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| 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:NM 003528.2RefSeq ORF:2223 bpAlba381 bpLocus ID:016778Cytogenetics:1q21.2Domains:H2B, histoneProtein Pathways:Systemic lupus erythematosus | 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). |
| RefSeq Size:2223 bpRefSeq ORF:381 bpLocus ID:0349UniProt ID:016778Cytogenetics:1q21.2Domains:H2B, histoneProtein Pathways:Systemic Instantions | Reconstitution Meth | Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of |
| RefSeq ORF:381 bpLocus ID:8349UniProt ID:Q16778Cytogenetics:1q21.2Domains:H2B, histoneProtein Pathways:Systemic lupus erythematosus | RefSeq: | <u>NM 003528.2</u> |
| Locus ID:8349UniProt ID:Q16778Cytogenetics:1q21.2Domains:H2B, histoneProtein Pathways:Systemic lupus erythematosus | RefSeq Size: | 2223 bp |
| UniProt ID:Q16778Cytogenetics:1q21.2Domains:H2B, histoneProtein Pathways:Systemic lupus erythematosus | RefSeq ORF: | 381 bp |
| Cytogenetics:1q21.2Domains:H2B, histoneProtein Pathways:Systemic lupus erythematosus | Locus ID: | 8349 |
| Domains:H2B, histoneProtein Pathways:Systemic lupus erythematosus | UniProt ID: | <u>Q16778</u> |
| Protein Pathways: Systemic lupus erythematosus | Cytogenetics: | 1q21.2 |
| | Domains: | H2B, histone |
| MW: 13.9 kDa | Protein Pathways: | Systemic lupus erythematosus |
| | MW: | 13.9 kDa |

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Scheme Generation Content and Content and

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 encodes a replication-dependent histone that is a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. The protein has antibacterial and antifungal antimicrobial activity. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RC209635L2

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