

Datasheet for ABIN4928797

## Human HIST1H3J ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	HIST1H3J
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human HIST1H3J with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	411 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCCGGA CGAAGCAGAC AGCTCGCAAG TCTACCGGCG GCAAGGCACC GCGGAAGCAG CTGGCCACCA AGGCAGCGCG CAAAAGCGCT CCAGCGACTG GCGGTGTGAA GAAGCCCCAC CGCTACAGGC CAGGCACCGT GGCCTTGCGT GAGATCCGCC GTTATCAGAA GTCGACTGAG CTGCTCATCC GCAAAGTCC ATTTTCAGCGC CTGGTGCAG AAATCGCGCA GGATTTCAA

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

## Product Details

---

ACCGACCTTC GTTCCAGAG CTCGGCGGTG ATGGCGCTGC AAGAGGCGTG CGAGGCCTAT  
CTGGTGGGTC TCTTTGAAGA CACCAACCTC TGTGCTATTC ACGCCAAGCG TGTCACTATT  
ATGCCTAAGG ACATCCAGCT TGCGCGTCGT ATCCGTGGCG AGCGAGCATA A

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

---

Gene: HIST1H3J

Alternative Name: HIST1H3J ([HIST1H3J Products](#))

Background: 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 H3 family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq, Aug 2015].

Gene ID: 8356

NCBI Accession: [NM\\_003535](#)

## Application Details

---

Restrictions: For Research Use only

Order at [www.genomics-online.com](http://www.genomics-online.com)

USA & Canada: +1 877 302 8632 | [support@antibodies-online.com](mailto:support@antibodies-online.com)

Page 2/3 | Product datasheet for ABIN4928797 | 09/13/2023 | Copyright antibodies-online. All rights reserved.

## Handling

---

Format: Lyophilized

---

Storage: RT/-20 °C

---

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

---

Expiry Date: 12 months

---

## Publications

---

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)