

Recombinant Full Length Human HIST3H3 Protein, GST-tagged

Cat. No. HIST3H3-3606HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST3H3 full-length ORF (BAG35150.1, 1 a.a. - 136 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	136 amino acids
Description	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 is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq
Molecular Mass	41.36 kDa
AA Sequence	MARTKQTARKSTGGKAPRKQLATKVARKSAPATGGVKKPHRYRPGTVALREIRRYQ KSTELLIRKLPPFQRLMREIAQDFKTDLRFQSSAVMALQEACESYLVGLFEDTNLCVIH

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Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[HIST3H3 histone cluster 3, H3 \[Homo sapiens \]](#)

Official Symbol

[HIST3H3](#)

Synonyms

HIST3H3; histone cluster 3, H3; H3 histone family, member T , H3FT, histone 3, H3; histone H3.1t; H3/g; H3t; H3/t; histone 3, H3; H3 histone family, member T; H3.4; H3FT; MGC126886; MGC126888;

Gene ID

[8290](#)

mRNA Refseq

[NM_003493](#)

Protein Refseq

[NP_003484](#)

MIM

[602820](#)

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UniProt ID

Q16695

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