

Recombinant Human HIST1H3G Protein, GST-tagged

Cat. No. HIST1H3G-4799H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST1H3G partial ORF (NP_003525, 1 a.a. - 60 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 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 large histone gene cluster on chromosome 6. [provided by RefSeq]
Molecular Mass	32.34 kDa
AA Sequence	MARTKQTARKSTGGKAPRKQLATKAARKSAPATGGVKKPHRYRPGTVALREIRRYQ KSTE
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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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

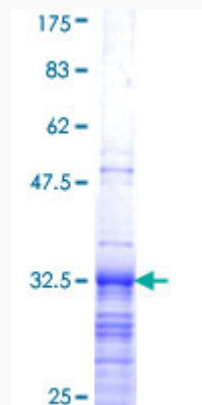
Gene Name	HIST1H3G histone cluster 1 H3 family member g [Homo sapiens (human)]
Official Symbol	HIST1H3G
Synonyms	HIST1H3G; histone cluster 1 H3 family member g; H3/h; H3FH; histone H3.1; H3 histone family, member H; histone 1, H3g; histone H3/h; histone cluster 1, H3g
Gene ID	8355
mRNA Refseq	NM_003534
Protein Refseq	NP_003525
MIM	602815
UniProt ID	P68431

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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