Recombinant Human HIST1H3G Protein, HIS-tagged

Cat. No. HIST1H3G-124H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST1H3G fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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 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 large histone gene cluster on chromosome 6.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of produ cts under proper storage and handling conditions.
Molecular Mass	15.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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

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