

Recombinant Human HIST1H4G Protein, GST-tagged

Cat. No. HIST1H4G-4802H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST1H4G full-length ORF (ADR82789.1, 1 a.a. - 98 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 H4 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	10.8 kDa
AA Sequence	MSVRGKAGKGLGKGGAKCHRKVLSDNIQGITKCTIRRLARHGGVKRILGLIYEETR VFKVFLENVIWYAVTNTTEHAKRKTVTAMAVVYVLKRQGRTL
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	HIST1H4G histone cluster 1 H4 family member g [Homo sapiens (human)]
Official Symbol	HIST1H4G
Synonyms	HIST1H4G; histone cluster 1 H4 family member g; H4/I; H4FL; histone H4-like protein type G; H4 histone family, member L; histone 1, H4g; histone cluster 1, H4g
Gene ID	8369
mRNA Refseq	NM_003547
Protein Refseq	NP_003538
MIM	602832
UniProt ID	Q99525

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