Recombinant Human HIST1H4K Protein, GST-tagged

Cat. No. HIST1H4K-4807H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST1H4K full-length ORF (AAI53082.1, 1 a.a. - 103 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 small histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq
Molecular Mass	38.28 kDa
AA Sequence	MSGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRG VLKVFLENVIRDAVTYTEHAKRKTVTAMDVVYALKRQGRTLYGFGG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

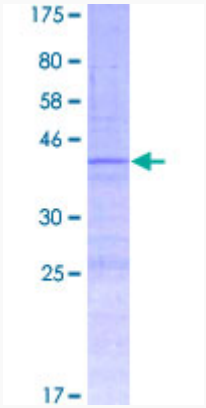
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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	HIST1H4K histone cluster 1 H4 family member k [Homo sapiens (human)]
Official Symbol	HIST1H4K
Synonyms	HIST1H4K; histone cluster 1 H4 family member k; H4/d; H4FD; H4F2iii; dJ160A22.1; histone H4; H4 histone family, member D; histone 1, H4k; histone cluster 1, H4k
Gene ID	8362
mRNA Refseq	NM_003541
Protein Refseq	NP_003532
MIM	602825
UniProt ID	P62805

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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