Recombinant Human HIST2H4A Protein, GST-tagged

Cat. No. HIST2H4A-4814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST2H4 partial ORF (NP_003539, 31 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. This structure consists of approximately 146 bp of DNA wrapped around a nucleosome, an 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 H4 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is found in a histone cluster on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy. [provided by RefSeq
Molecular Mass	33.77 kDa
AA Sequence	TKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRDAVTYTEHAKRKTVTAMDVV YALKRQGRTLYGFGG
Applications	Enzyme-linked Immunoabsorbent Assay

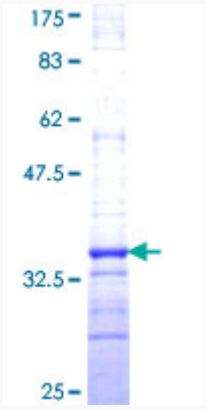
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45-1 Ramsey Road, Shirley, NY 11967, USA

	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	HIST2H4A histone cluster 2, H4a [Homo sapiens]
Official Symbol	HIST2H4A
Synonyms	HIST2H4A; histone cluster 2, H4a; H4 histone, family 2 , H4/n, H4F2, H4FN, HIST2H4, histone 2, H4 , histone 2, H4a; histone H4; histone 2, H4a; H4 histone, family 2; histone IV, family 2; H4 histone family, member N; H4; H4/n; H4F2; H4FN; FO108; HIST2H4; HIST4H4; HIST1H4A; HIST1H4B; HIST1H4C; HIST1H4D; HIST1H4E; HIST1H4F; HIST1H4H; HIST1H4I; HIST1H4J; HIST1H4K; HIST1H4L; HIST2H4B;
Gene ID	8370
mRNA Refseq	NM_003548
Protein Refseq	NP_003539
MIM	142750

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UniProt ID	P62805
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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