

Recombinant Human HIST2H2AA3 Protein, GST-tagged

Cat. No. HIST2H2AA3-4808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIST2H2AA full-length ORF (AAH01629, 1 a.a. - 130 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 H2A family. Transcripts from this gene lack polyA tails but instead 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	40.04 kDa
AA Sequence	MSGRGKQGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGNYAERVGAGAPVYMAA VLEYLTAEILELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLLGKVTIAQGGVLPNIQA VLLPKKTESHKAKGK
Applications	Enzyme-linked Immunoabsorbent Assay

 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

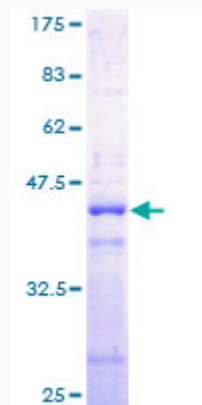
	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HIST2H2AA3 histone cluster 2, H2aa3 [Homo sapiens]
Official Symbol	HIST2H2AA3
Synonyms	HIST2H2AA3; histone cluster 2, H2aa3; H2A histone family, member O , H2AFO, HIST2H2AA, histone 2, H2aa , histone 2, H2aa3; histone H2A type 2-A; H2A.2; H2A/q; histone H2A.2; histone H2A/o; histone 2, H2aa3; H2A histone family, member O; H2A; H2A/O; H2AFO; H2a-615; HIST2H2AA;
Gene ID	8337
mRNA Refseq	NM_003516
Protein Refseq	NP_003507
MIM	142720
UniProt ID	Q6FI13

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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