

Product datasheet for **TP301434**

Histone H2A.X (H2AFX) (NM_002105) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human H2A histone family, member X (H2AFX), full length, with C-terminal MYC/DDK tag, expressed in HEK293 cells, 20 µg
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	>RC201434 protein sequence Red =Cloning site Green =Tags(s)
	 MSGRGKTGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGGHYAERVGAGAPVYLAHVLELTAEILELAGNA ARDNKKTRIIPRHLQLAIRNDEELNKLGGVTIAQGGVLPNIQAVLLPKKTSATVGPKAPSGGKKATQAS QEY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	15 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002096</u>
Locus ID:	3014
UniProt ID:	<u>P16104</u>



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RefSeq Size: 1651

Cytogenetics: 11q23.3

RefSeq ORF: 429

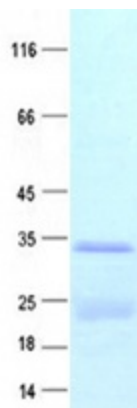
Synonyms: H2A.X; H2A/X; H2AFX

Summary: 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 encodes a replication-independent histone that is a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq, Oct 2015]

Protein Families: Druggable Genome

Protein Pathways: Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified H2AFX protein (Cat# TP301434). The protein was produced from HEK293T cells transfected with H2AFX cDNA clone (Cat# [RC201434]) using MegaTran 2.0 (Cat# [TT210002]).