

Recombinant Human H2AFX protein

Cat. No. H2AFX-124H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length, non-fusion H2AX protein was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MSGRGKTGGKARAKAKSRSSRAGLQFPVGRVHRLLRKGHYAERVGAGAPVYLA AV LEYLTAEILELAGNAARDNK KTRIIPRHLQLAIRNDEELNKLLGGVTIAQGGVLPNIQA VLLPKKTSATVGPKAPSGGKKATQASQEY
Purity	>90% by SDS-PAGE
Applications	1. Soluble protein which may be used as substrate for enzymatic assay.2. Active protein, for in vitro histone /DNA reconstitution assay.3. As Immunogen for specific antibody production.
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

Gene Name	H2AFX H2A histone family, member X [Homo sapiens]
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Official Symbol	H2AFX
Synonyms	H2AFX; H2A histone family, member X; H2AX; histone H2A.x; H2AX histone; H2A.X; H2A/X;
Gene ID	3014
mRNA Refseq	NM_002105
Protein Refseq	NP_002096
MIM	601772
UniProt ID	P16104
Chromosome Location	11q23.3
Pathway	ATM mediated phosphorylation of repair proteins, organism-specific biosystem; ATM mediated response to DNA double-strand break, organism-specific biosystem; Amyloids, organism-specific biosystem; Assembly of the RAD50-MRE11-NBS1 complex at DNA double-strand breaks, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Repair, organism-specific biosystem;
Function	DNA binding; enzyme binding; histone binding; protein binding;