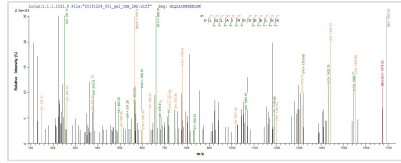


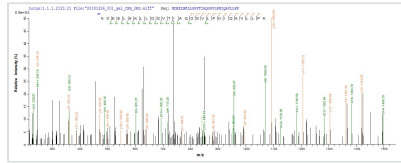


Recombinant Human Histone H2AX (H2AX), partial

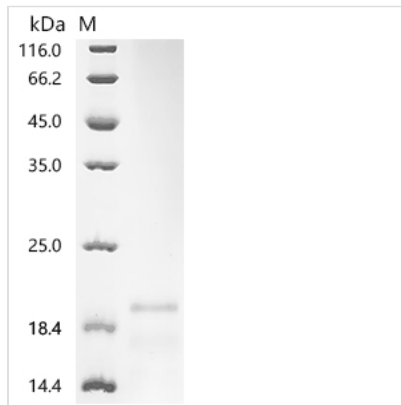
Product Code	CSB-EP010097HU1
Relevance	Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.
Abbreviation	Recombinant Human H2AX protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P16104
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	RAKAKSRSSRAGLQFPVGRVHRLLRKGYAERVGAGAPVYLAADVLEYLTAEL ELAGNAARDNKKTRIIPRHLQLAIRNDEELNKLGGVTIAQGGVLPNIQAVLLPK KTSATVGPKAPSGGKKATQASQ
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	H2AX
Expression Region	12-141aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	17.8kDa
Protein Length	Partial
Image	



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP010097HU1 could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) H2AFX,H2AX .



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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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