Histone H2AX, Recombinant Human

Catalog No	15-0307	**Species**	Human
Lot No	15259001	**Source**	*E. coli*
Pack Size	100 µg	**Epitope Tag**	None
Concentration	N/A	**MW**	15 kDa

DESCRIPTION

Recombinant human histone H2AX (H2AFX, accession P16104) expressed in *E. coli* and purified by FPLC. Histone H2AX is a histone variant that is incorporated into a subset of nucleosomes in place of canonical histone H2A. H2AX is phosphorylated on serine 139 by the ATM and ATR kinases in response to DNA double strand breakage. Phosphorylated H2AX serves as a platform to recruit a number of DNA damage repair proteins, including BRCA1, NBS1 and MDC1.

TECHNICAL INFORMATION

Storage	Stable for six months at -80°C from date of receipt. For best results, aliquot and avoid freeze/thaws.
Formulation	100 µg of lyophilized powder.

APPLICATION NOTES

Recombinant histone H2AX is suitable for enzyme assays and nucleosome reconstitution. Reconstitute with distilled water or suitable buffer prior to usage.

VALIDATION DATA

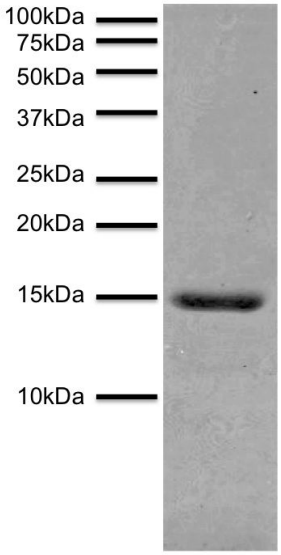

FIGURE 1 **Protein gel data.** Histone H2AX (1 µg) was run on a PAGE gel and stained with Coomassie blue. The migration and molecular weight of the protein standards are indicated.