

Recombinant Human H2AFY protein, T7/His-tagged

Cat. No. H2AFY-117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human H2AFY gene (derived from BC095406) fused with T7/His/TEV cleavage site 29aa Tag at N-terminal 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	MASMTGGQQMGRGHHHHHGNLYFQGGEFSSRGGKKKSTKTSRSAKAGVIFPVG RMLRYIKKGHPKYRIGVGAPV YMAAVLEYLTAEILELAGNAARDNKKGRVTPRHILLA VANDEELNQLLKGVTIASGGVLPNIHPELLAKKRGSKG KLEAITPPPAKKAKSPSQK KPVSKKAGGKKGARKSKKKQGEVSKAASADSTTEGTPADGFTVLSTKSLFLGQKL N LIHSEISNLAGFEVEAIINPTNADIDLKDDLGNLTLEKKGGKEFVEAVLELRKKNGPLEV AGAAVSAGHGLPAKF VIHCNSPVWGADKCEELLEKTVKNCLALADDKKLKSIAFPSI GSGRNGFPKQTAAQLILKAISSYFVSTMSSSIK TVYFVLFDSESIGIYVQEMAKLDAN
Purity	>90% by SDS-PAGE
Applications	1. May be used as specific substrate protein for kinase enzymatic assay.2. May be used for in vitro histone/DNA reconstitution assay.3. May be used as native immunogen for specific antibody production.4. May be used as protein biomarker for Huntinton disease monitoring.

 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

Storage Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

Gene Name	H2AFY H2A histone family, member Y [Homo sapiens]
Official Symbol	H2AFY
Synonyms	H2AFY; H2A histone family, member Y; core histone macro-H2A.1; macroH2A1.2; histone H2A.y
Gene ID	9555
mRNA Refseq	NM_001040158
Protein Refseq	NP_001035248
MIM	610054
UniProt ID	O75367
Chromosome Location	5q31.1
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Systemic lupus erythematosus, organism-specific biosystem; Systemic lupus erythematosus, conserved biosystem;
Function	DNA binding; chromatin binding;

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