Recombinant Human HIST2H3A protein

Cat. No. HIST2H3A-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HIST2H3A was expressed in E. coli.
Species	Human
Source	E.coli
Description	Histone H3 combines with Histone H4 to form the H3/H4 tetramer. Two H2A/H2B heterodimers interact with an H3/H4 tetramer to form the histone octamer. It is also modified by various enzymes and can act as a substrate for them. These modifications have been shown to be important in gene regulation. Histone H3.2, an H3 variant that is found in all eukaryotes except budding yeast, is replication dependent and is associated with gene silencing.
Form	20 mM sodium phosphate, 300 mM NaCl, 1 mM DTT, 1 mM EDTA, pH 7.0 @ 25 centigrade
AA Sequence	ARTKQ TARKS TGGKA PRKQL ATKAA RKSAP ATGGV KKPHR YRPGT VALRE IRRYQ KSTEL LIRKL PFQRL VREIA QDFKT DLRFQ SSAVM ALQEA SEAYL VGLFE DTNLC AIHAK RVTIM PKDIQ LARRI RGERA
Storage	Store at -20 centigrade
Concentration	1 mg/ml

GENE INFORMATION

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

Gene Name	HIST2H3A histone cluster 2, H3a [Homo sapiens]
Official Symbol	HIST2H3A
Synonyms	HIST2H3A; histone cluster 2, H3a; histone 2, H3a; histone H3.2; H3/n; H3/o; histone H3/m; histone H3/o; HIST2H3C; HIST2H3D;
Gene ID	333932
mRNA Refseq	NM_001005464
Protein Refseq	NP_001005464
UniProt ID	Q71DI3
Chromosome Location	1q21.2
Pathway	Amyloids, organism-specific biosystem; Disease, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Gene Expression, organism-specific biosystem; Hemostasis, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem; Meiosis, organism-specific biosystem;

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