

Recombinant Human H3F3A protein, T7/His-tagged

Cat. No. H3F3A-62H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Histone 3.3 (H2F3A) cDNA (136aa, which derived from BC066901) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.25 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	MASMTGGGQQMGRGHHHHHGNLYFQGGEFARTKQTARKSTGGKAPRKQLATKA ARKSAPSTGGVKKPHRYRPGTV ALREIRRYQKSTELLIRKLPFQRLVREIAQDFKTD LRFQSAAGALQEASEAYLVGLFEDTNLCAIHAKRVTIMP KDIQLARRIRGERA
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro Histone 3.3 mediated HIRA-dependent H3.3 deposition in cell reprogramming regulation study with "ProFectin" based intracellular delivery of this protein.2. May be used as specific substrate protein for kinase and ubiquitin (Sumo pathway) related enzyme functional screening assays.3. May be used for H3.3 protein-protein interaction mapping.4. May be used as antigen for specific antibody production.
Storage	Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at

 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

least 30 days.

GENE INFORMATION

Gene Name H3F3A H3 histone, family 3A [Homo sapiens]

Official Symbol H3F3A

Synonyms H3F3A; H3 histone, family 3A; H3F3; histone H3.3; H3.3A; H3F3B; MGC87782; MGC87783;

Gene ID 3020

mRNA Refseq NM_002107

Protein Refseq NP_002098

MIM 601128

UniProt ID P84243

Chromosome Location 1q42.12

Pathway Alcoholism, organism-specific biosystem; Alcoholism, conserved biosystem; 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;

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