

Full-Length

HIST3H3 (Human) Recombinant Protein (P01)

Catalog # H00008290-P01

Size 50 ug

Specification

Product Description	Human HIST3H3 full-length ORF (BAG35150.1, 1 a.a. - 136 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MARTKQTARKSTGGKAPRKQLATKVARKSAPATGGVKKPHRYRPGTVALREIRRYQKSTELLIRKL PFQRLMREIAQDFKTDLRFQSSAVMALQEACESYLVGLFEDTNLCVIHAKRVTIMPKDIQLARRIRG ERA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.36
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HIST3H3

Entrez GeneID [8290](#)

GeneBank Accession# [AK312217.1](#)

Protein Accession# [BAG35150.1](#)

Gene Name HIST3H3

Gene Alias H3.4, H3/g, H3FT, H3t, MGC126886, MGC126888

Gene Description histone cluster 3, H3

Omim ID [602820](#)

Gene Ontology [Hyperlink](#)

Gene Summary Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3. [provided by RefSeq]

Other Designations H3 histone family, member T|OTTHUMP00000037945|histone 3, H3

Pathway

- [Systemic lupus erythematosus](#)