



Recombinant Protein Technical Manual

Recombinant Human H1F0/Histone H1 Protein (His Tag)

RPE5156

Product Data:

Product SKU: RPE5156

Size: 20µg

Species: Human

Expression host: E. coli

Uniprot: P07305

Protein Information:

Molecular Mass: 22.4 kDa

AP Molecular Mass: 27 kDa

Tag: N-His

Bio-activity:

Purity: > 92 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 50mM Tris, 600mM NaCl, 1mM DTT, pH 8.5

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: CPN60;GROEL;H10;H1FV;HLD4;HSP60;HSP65;HSPD1;HuCHA60;SPG13

Immunogen Information:

Sequence: Met 1-Lys 194

Background:

H1 histone family, member 0 (H1F0) is a member of the H1 histone family of nuclear proteins which are a component of chromatin in eukaryotic cells. It's involved in maintaining the structure of chromatin by packing the "beads on a string" sub-structure into a high order structure. The lysine-rich H1 histone family in mammals includes eleven members. In higher eukaryotes all H1 variants have the same general structure, consisting of a central conserved globular domain and less conserved N-terminal and C-terminal tails. These tails are moderately conserved among species, but differ among variants, suggesting a specific function for each H1 variant. Studies on the role of particular subtypes at specific developmental stages in lower eukaryotes, but also in vertebrates suggest that specific subtypes of H1 participate in particular systems of gene regulation.