

## Histone H4 Protein, Human, Recombinant (His)

## General Information

Synonyms:	H4C11;H4FG;H4C5;H4FB;H4/H;HIST1H4K;H4FN;H4/N;H4C8;H4FC;HIST2H4B;H4FM;HIST1H4D;HIST1H4C;H4/E;H4C6;HIST2H4A;H4F1;HIST4H4;H4FH;H4/O;H4/M;H4/K;H4C2;H4C3;H4FA;HIST2H4;HIST1H4H;H4FK;H4/G;HIST1H4E;H4-16;H4FE;H4C14;H4C12;H4C13;HIST1H4A;HIST1H4L;HIST1H4B;H4FJ;H4C9;H4C16;Histone H4;HIST1H4I;H4FO;H4/C;H4/A;H4C1;H4/B;H4F2;H4C4;H4/I;H4C15;H4/D;HIST1H4J;HIST1H4F;H4FD;H4/J
Protein Construction:	2-103 aa
Species:	Human
Expression Host:	E. coli
Accession:	P62805
Molecular Weight:	18.1 kDa (Predicted)
AA Sequence:	SGRGKGGKGLGKGGAKRHRKVLRDNIQGITKPAIRRLARRGGVKRISGLIYEETRGVLKVFLENVIRDAVYTEHAKRKTVTAMDVVYALKRQGRTLYGFGG

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity:	>85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

## Preparation and Storage

Reconstitution:	Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.
Stability & Storage:	Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <i>Actual storage temperature shall be subject to the COA.</i>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481