

# Hirudin Recombinant Protein



RPPB3685

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## Product Information    Protein Information

**Product SKU:**

RPPB3685

**Host:**

Pichia Pastoris.

**Protein description:**

Recombinant Hirudin is derived from yeast and the polypeptide chain contains 65 amino acids and its Mw is 6979.5 Dalton which is identical to natural Hirudin except for the substitution of leucine for isoleucine at the N-terminal end of the molecule and the absence of a sulfate group on the tyrosine at position 63. The Recombinant Hirudin is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation:**

Each mg of protein was lyophilized from a sterile solution containing 20mM PBS pH-7 and 2% mannitol.

**Purity:**

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Hirudin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Hirudin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Hirudin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Biological Activity:**

The specific activity was found to be > 14,000ATU/mg.