

PrimeGene Technical Data Sheet

Catalog Number:	661-01G
Source:	<i>Escherichia coli</i>
Molecular Weight:	Approximately 6.87 kDa, a single non-glycosylated polypeptide chain containing 65 amino acid residues.
Quantity:	10µg/100µg/1000µg
AA Sequence:	LTVVYTDCTESGQNLCLCEGSNVCQGQGNKCILGSDGEKNQCVTGEGTPGPQSHNDGDFEEP EEYL
Purity:	> 96 % HPLC analyses.
Biological Activity:	Testing in progress.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, pH 7.0, containing 2 % mannitol.
Endotoxin:	Less than 0.1 EU/µg of rHirudin as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Recombinant Hirudin

Hirudin is the most potent natural thrombin-specific protease inhibitor, and is originally derived in the salivary glands of the medicinal leech. Unlike heparin, hirudin act directly on thrombin, rather than through other clotting factors. They have a high binding affinity and specificity for thrombin. Therefore, hirudin prevents or dissolves the formation of clots and thrombi, and has therapeutic value in blood coagulation disorders, in the treatment of skin hematomas and of superficial varicose veins, either as an injectable or a topical application cream.