

## Product datasheet for **TP724783**

### Hirudo medicinalis Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Hirudo medicinalis Hirudin-1/Lepirudin (C-His)
Species:	Hirudo medicinalis
Expression cDNA Clone or AA Sequence:	Y3-Q65
Tag:	C-6His
Buffer:	Supplied as a 0.2 um filtered solution of PBS pH7.4
Note:	Recombinant Hirudo medicinalis Hirudin-1 is produced by Pichia pastoris. The target gene encoding Y3-Q65 is expressed with a 6His tag at the C terminus.
Stability:	12 months from date of despatch
Summary:	Hirudin is a secreted protein that belongs to the protease inhibitor I14 (hirudin) family. Hirudin is a potent thrombin-specific protease inhibitor. It forms a stable non-covalent complex with alpha-thrombin, thereby abolishing its ability to cleave fibrinogen. In nature, Hirudin is found in the salivary glands of Hirudo medicinalis that has a blood anticoagulant property. Hirudin can be used to treat heparin-induced thrombocytopenia.



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