

# Recombinant Hirudo medicinalis (Medicinal leech) Hirudin variant-1

Catalog No: #AP72382

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Package Size: #AP72382-1 20ug #AP72382-2 100ug #AP72382-3 1mg

## Description

Product Name	Recombinant Hirudo medicinalis (Medicinal leech) Hirudin variant-1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-65aaSequence Info:Full Length
Accession No.	P01050
Uniprot	P01050
Calculated MW	34 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	VVYTDCTESGQNLCLCEGSNVCGQGKNCILGSDGEKNQCVTGEGTPKPKQSHNDGDFEEIPEEYLQ
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

## Background

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.

## References

Role of interactions involving C-terminal nonpolar residues of hirudin in the formation of the thrombin-hirudin complex.Betz A., Hofsteenge J., Stone S.R.Biochemistry 30:9848-9853(1991)Research Topic:Others

Note: This product is for in vitro research use only