

Product datasheet

Recombinant Hirudin protein (Active) ab201396

Description

Product name	Recombinant Hirudin protein (Active)
Biological activity	Hirudin is fully biologically active when compared to standard. Its specific activity is $>1 \times 10^4$ ATU/mg.
Purity	> 96 % SDS-PAGE. >96 % HPLC analyses.
Endotoxin level	< 0.010 Eu/ μ g
Expression system	Saccharomyces cerevisiae
Accession	P84590
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Poecilobdella viridis
Predicted molecular weight	7 kDa
Amino acids	1 to 65
Additional sequence information	Recombinant Hirundin variant, identical to natural Hirundin, but for substitution of Leu to Ile at N terminal end and absence of sulphate group on Tyr63.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab201396** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies HPLC SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C..
------------------------------	--

pH: 7.00
Constituents: 2% Mannitol, PBS

Lyophilized from a 0.2 µm filtered concentrated solution

This product is an active protein and may elicit a biological response in vivo, handle with caution.

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 <-20C. Further dilutions should be made in appropriate buffered solutions.

General Info

Relevance

Hirudin is a highly effective and very specific anticoagulant which specifically inhibits formation of fibrin and activation of factors V, VIII and XIII by forming irreversible, noncovalent 1:1 complexes with a-thrombin. Hirudin is a 65 amino acid polypeptide, 7 kDa protein naturally originating from the medical leech *Hirudo medicinalis*. It is the most potent thrombin inhibitor known to date.

Cellular localization

Secreted

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors