

## Product datasheet

# Native Human HC-II protein ab62249

### Description

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<b>Product name</b>	Native Human HC-II protein
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Species</b>	Human

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab62249** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Liquid
<b>Additional notes</b>	Concentration varies from lot to lot but is between 5-10mg/ml Protein previously labeled as Heparin Cofactor II.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituent: 50% Glycerol
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### General Info

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<b>Function</b>	Thrombin inhibitor activated by the glycosaminoglycans, heparin or dermatan sulfate. In the presence of the latter, HC-II becomes the predominant thrombin inhibitor in place of antithrombin III (AT-III). Also inhibits chymotrypsin, but in a glycosaminoglycan-independent manner. Peptides at the N-terminal of HC-II have chemotactic activity for both monocytes and neutrophils.
<b>Tissue specificity</b>	Expressed predominantly in liver. Also present in plasma.
<b>Involvement in disease</b>	Thrombophilia due to heparin cofactor 2 deficiency
<b>Sequence similarities</b>	Belongs to the serpin family.

<b>Domain</b>	The N-terminal acidic repeat region mediates, in part, the glycosaminoglycan-accelerated thrombin inhibition.
<b>Post-translational modifications</b>	Phosphorylation sites are present in the extracellular medium.

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**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**

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- 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

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