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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

KLKB1 (Human) Recombinant Protein

Catalog Number: P10576

Regulation Status: For research use only (RUO)

Product Description: Human KLKB1 partial recombinant protein with His tag expressed in CHO cells.

Sequence:

GCLTQLYENAFFRGGDVASMYTPNAQYCQMRCTFHP
RCLLFSLPASSINDMEKRFGCFLKDSVTGTLPKVHRT
GAVSGHSLKQCGHQISACHRDIYKGVDMRGVNFNVS
KVSSVEECQKRCTSNIRCQFFSYATQTFHKAERYNNC
LLKYSPPGGTPTAIKVLNVESESGFLKPCALSEIGCHMNI
FQHLAFSDVDVARVLTPDAFVCRITICTYHPNCLFFTFY
TNVWKIESQRNVCLLKTSSESGTPSSSTPQENTISGYSL
LTCKRTLPEPCHSKIYPGVDFGGEELNVTFVKGVNVC
QETCTKMIRCQFFTYSLLPEDCKEEKCKCFLRLSMDG
SPTRIAYGTTQSSGYSLRLCNTGDNVCTTKTSTRIVG
GTNSSWGEWPWQVSLQVKLTAQRHLCGGSLSLGHQW
VLTAAHCFDGLPLQDVWRIYSGILNLSITKDTFSPQIK
EIIHQNYKVSEGNHDIALIKLQAPLNYTEFQKPICLPSK
GDTSTIYTNCWVTGWGFSKEKGEIQNILQKVNIPLVN
EECQKRYQDYKITQRMVCAGYKEGGKDACGDGSGGP
LVCKHNGMWRLVGITSWGEGCARREQPGVYTKVAEY
MDWILEKTQSSDGKAQMQLSPA

Host: Mammals

Theoretical MW (kDa): 72.62

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Lyophilized

Preparation Method: Mammalian cell (CHO)
expression system

Purification: Ni-NTA chromatography

Purity: > 95% by SDS-PAGE

Recommend Usage: SDS-PAGE
The optimal working dilution should be determined by

the end user.

Storage Buffer: Lyophilized from filtered PBS, pH 7.4.

Storage Instruction: Store at -20°C for 12 months in
lyophilized state.

After reconstitution with deionized water, store at -20 or
-80°C for 1 month.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3818

Gene Symbol: KLKB1

Gene Alias: KLK3, PPK

Gene Summary: Plasma prekallikrein is a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. It is synthesized in the liver and secreted into the blood as a single polypeptide chain. Plasma prekallikrein is converted to plasma kallikrein by factor XIIa by the cleavage of an internal Arg-Ile bond. Plasma kallikrein therefore is composed of a heavy chain and a light chain held together by a disulphide bond. The heavy chain originates from the amino-terminal end of the zymogen and contains 4 tandem repeats of 90 or 91 amino acids. Each repeat harbors a novel structure called the apple domain. The heavy chain is required for the surface-dependent pro-coagulant activity of plasma kallikrein. The light chain contains the active site or catalytic domain of the enzyme and is homologous to the trypsin family of serine proteases. Plasma prekallikrein deficiency causes a prolonged activated partial thromboplastin time in patients. [provided by RefSeq]