

Recombinant Human KLKB1 Protein (20-390 aa), His-tagged

Cat. No. KLKB1-2202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLKB1 Protein (20-390 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Biology. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	20-390 aa
Description	The enzyme cleaves Lys-Arg and Arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding to a negatively charged surface. It also releases bradykinin from HMW kininogen and may also play a role in the renin-angiotensin system by converting prorenin into renin.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	43.4 kDa
AA Sequence	GCLTQLYENAFFRGGDVASMYTPNAQYCQMRCTFHPRCLLFSFLPASSINDMEKRF GCFLKDSVTGTLPKVHRTGAVSGHSLKQCGHQISACHRDIYKGVDMRGVNFNVSKV SSVEECQKRCTNNIRCQFFSYATQTFHKAEYRNNCLLKYSPPGTPTAIKVLSNVESG FSLKPCALSEIGCHMNIFQHAFSDVDVARVLTPDAFVCRTICTYHPNCLFFTFYTNV WKIESQRNVCLLKTSESGTPSSSTPQENTISGYSLLTCKRTLPEPCHSKIYPGVDFG GEELNVTFVKGVNVCQETCTKMIRCQFFTYSLLPEDCKEEKCKCFLRLSMDGSPTRI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AYGTQGSSGYSLRLCNTGDNSVCTTKTSTR

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [KLKB1 kallikrein B, plasma \(Fletcher factor\) 1 \[Homo sapiens \]](#)

Official Symbol [KLKB1](#)

Synonyms KLKB1; KLK3; plasma kallikrein; kininogenin; Fletcher factor; plasma prekallikrein; PPK;

Gene ID [3818](#)

mRNA Refseq [NM_000892](#)

Protein Refseq [NP_000883](#)

MIM [229000](#)

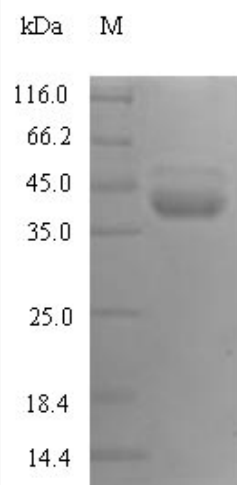
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UniProt ID

P03952



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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