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 SSVEECQKRCTNNIRCQFFSYATQTFHKAEYRNNCLLKYSPGGTPTAIKVLSNVESG FSLKPCALSEIGCHMNIFQHLAFSDVDVARVLTPDAFVCRTICTYHPNCLFFTFYTNV WKIESQRNVCLLKTSESGTPSSSTPQENTISGYSLLTCKRTLPEPCHSKIYPGVDFG GEELNVTFVKGVNVCQETCTKMIRCQFFTYSLLPEDCKEEKCKCFLRLSMDGSPTRI

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	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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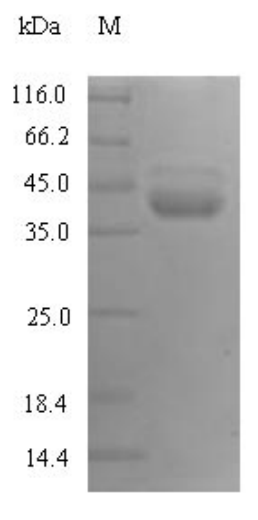
UniProt ID	P03952



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

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