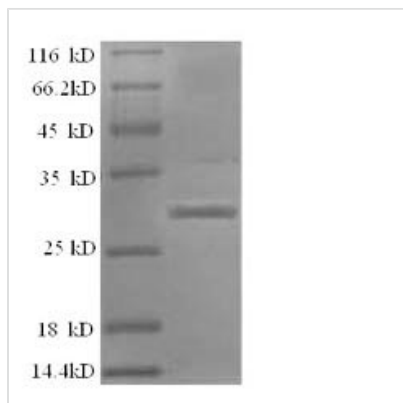




# Recombinant Rat Plasma kallikrein (Klkb1), partial

<b>Product Code</b>	CSB-YP012461RA
<b>Relevance</b>	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 syst by converting prorenin into renin.
<b>Abbreviation</b>	Recombinant Rat Klkb1 protein, partial
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P14272
<b>Alias</b>	Fletcher factorKininogenin;Plasma prekallikrein
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	IVGGTNSSLGEWPWQVSLQVKLVSQNHMCGGSIIGRQWILTAHCFDGIYPYD VWRIYGGILNLSEITNKTPFSSIKELIIHQYKMSEGSYDIALIKLQTPLNYTEFQK PICLPSKADTNTIYTNCWVTGWGYTKERGETQNILQKATIPLVPNEECQKKYRD YVITKQMICAGYKEGGIDACKGDSGGPLVCKHSGRWQLVGITSWGEGCARKE QPGVYTKVAEYIDWILEKIQSSKERALETSPA
<b>Source</b>	Yeast
<b>Target Names</b>	Klkb1
<b>Protein Names</b>	Recommended name: Plasma kallikrein EC= 3.4.21.34Alternative name(s): Fletcher factor Kininogenin Plasma prekallikreinCleaved into the following 2 chains: 1. Plasma kallikrein heavy chain 2. Plasma kallikrein light chain
<b>Expression Region</b>	391-638aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	29.8kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



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

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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