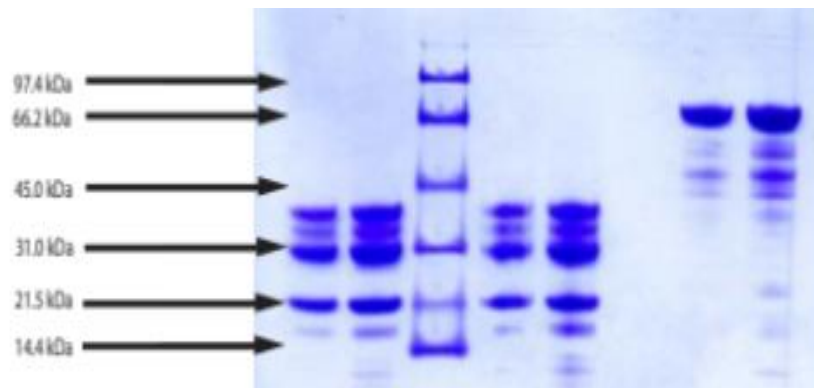


## KLKB1

### Native Human Kallikrein, Plasma

<b>Catalog No.</b>	CSI19814A CSI19814B	<b>Quantity:</b>	50 µg 1.0 mg
<b>Alternate Names:</b>	Plasma kallikrein, Fletcher factor, Kininogenin, Plasma prekallikrein (PKK)		
<b>Description:</b>	A serine protease that cleaves Lys-Arg and Arg-Ser bonds in kininogen to release bradykinin. Present in plasma as an inactive precursor prekallikrein, cleaved by Factor XII. Plasma kallikrein liberates kinins (bradykinin and kallidin) from the kininogens, peptides responsible for the regulation of blood pressure and activation of inflammation. It is also capable of generating plasmin from plasminogen.		
<b>UniProt ID:</b>	P03952		
<b>Gene ID:</b>	3818		
<b>Source:</b>	Human plasma		
<b>Molecular Weight:</b>	86 - 88 kDa		
<b>Formulation:</b>	20 mM Tris-HCl, 100 mM NaCl, pH 7.8		
<b>Purity:</b>	≥ 95% by SDS-PAGE analysis		
<b>Concentration:</b>	Lot specific		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280\text{nm}} = 1.06$		
<b>Biological Activity:</b>	One unit is defined as the amount of enzyme that hydrolyzes one umole of D-Pro-Phe-Arg-pNA per minute at 25°C, pH 7.8.		
<b>Specific Activity:</b>	15 units/mg		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Statement:</b>	Prepared from plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.		

SDS-PAGE: 4-12% Bis-Tris NuPAGE



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