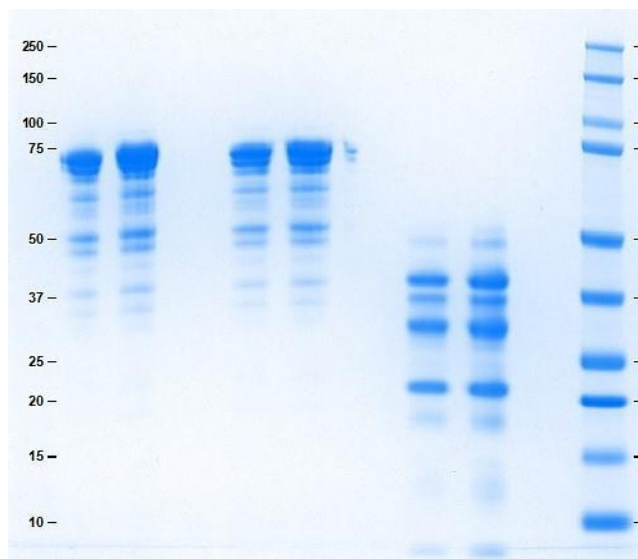


Kallikrein from Human Plasma

np001050



SDS-PAGE

4-12% Bis-Tris gel, 1x MES

1. Kallikrein 10 µg (Not Heated/Non-Reduced)
2. Kallikrein 20 µg (Not Heated/Non-Reduced)
3. Blank
4. Kallikrein 10 µg (Heated/Non-Reduced)
5. Kallikrein 20 µg (Heated/Non-Reduced)
6. Blank
7. Kallikrein 10 µg (Heated/Reduced)
8. Kallikrein 20 µg (Heated/Reduced)

Protein Determination:

Extinction Coefficient (E) = 1.06 (0.1% at 280 nm, 1 cm pathway).

Stability and storage

Store at -80°C long term (>1 year). Upon receipt, it is recommended to aliquot. Avoid freeze/thaw cycle.

Molecular Weight:

86,000 – 88,000 Da.

Buffer:

Frozen in 20 mM Tris-HCl, pH 7.8, with 100 mM NaCl.

Physical Specifications:

Form: Frozen

Purity: $\geq 95\%$ by SDS-PAGE

Product Datasheet

Product:	Kallikrein from Human Plasma
Form:	Frozen
Available Packaging:	50 μ g. Larger aliquots are available upon request.
Buffer:	Frozen in 20 mM Tris-HCl, pH 7.8, with 100 mM NaCl.
Purity:	$\geq 95\%$ by SDS-PAGE.
Activity:	15 units/mg. One unit is defined as the amount of enzyme that hydrolyzes one μ mol of D-Pro-Phe-Arg-pNA per minute at 25 °C, pH 7.8.
Molecular Weight:	86,000-88,000 Da
Protein Determination:	Extinction Coefficient (E) = 1.06 (0.1% at 280 nm, 1 cm pathway).
Source:	Human Plasma.
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Each unit of plasma is tested by the supplier and found non-reactive for HIV-1/2, Hepatitis B surface antigen (HBsAg), Hepatitis C (HCV), Hepatitis A (HAV), and syphilis (RPR). Documentation of testing is maintained and is available upon request.

Product Description

A serine protease that releases bradykinin from kininogen. Present in plasma as an inactive precursor prokallikrein.

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.