



Recombinant Human Plasma Kallikrein (KLKB1) [His] (DAG-WT251)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Recombinant Human Plasma Kallikrein (KLKB1) is produced by Mammalian expression system and the target gene encoding Gly20-Ala638 is expressed with a 6His tag at the C-terminus.
Purity	> 95% , as determined by SDS-PAGE
Conjugate	His
Applications	Immunogen, calibrator / Standard
Molecular Weight	70kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH8.0
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction	Plasma kallikrein is a protein that in humans is encoded by the KLKB1 gene. Plasma prekallikrein is a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. It is synthesized in the liver and secreted into the blood as a single polypeptide chain. Plasma prekallikrein is converted to
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plasma kallikrein by factor XIIa by the cleavage of an internal Arg-Ile bond. Plasma kallikrein therefore is composed of a heavy chain and a light chain held together by a disulfide bond.

Keywords	Plasma kallikrein; KLKB1; High-molecular-weight kininogen
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GENE INFORMATION

UniProt ID	P03952
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