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Product datasheet for BA371

KLKB1 / Kininogen Human Protein

Product data:

Product Type:	Native Proteins
Description:	KLKB1 / Kininogen human protein, 50 µg
Species:	Human
Protein Source:	Plasma
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE.
Buffer:	Presentation State: Purified State: Lyophilized purified protein. Buffer System: 20mM Tris-HCl, pH 7.8 containing 100 mM Sodium Chloride without preservatives.
Bioactivity:	Specific: > / = 15 units per mg. One unit is defined as the amount of enzyme that will hydrolyze 1 µmole of D-Pro-Phe-Arg-pNA (Chromogenix S-2303) per minute at 25°C, pH 7.8.
Reconstitution Method:	Restore with 96.5 µl distilled water.
Preparation:	Lyophilized purified protein.
Protein Description:	Purified Human Plasma Kallikrein.
Note:	Caution: All human source materials have tested negative for HIV1, HIV2, HBc, HCV antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store the antigen at -20 °C.
Stability:	Shelf life: six months from despatch.
RefSeq:	NP_000883
Locus ID:	3818
Cytogenetics:	4q35.2
Synonyms:	Plasma kallikrein, Fletcher factor

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Summary: This gene encodes a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. The encoded preproprotein present in plasma as a non-covalent complex with high molecular weight kininogen undergoes proteolytic processing mediated by activated coagulation factor XII to generate a disulfide-linked, heterodimeric serine protease comprised of heavy and light chains. Certain mutations in this gene cause prekallikrein deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, Protease

Protein Pathways: Complement and coagulation cascades