

Kininogen, LMW, Human Plasma recombinant protein
Alpha-2-thiol proteinase inhibitor, Fitzgerald factor, High molecular weight Kininogen, Williams-Fit
Catalog # PBV10925r

Specification

Kininogen, LMW, Human Plasma recombinant protein - Product info

Primary Accession [P01042](#)
Calculated MW **65 kDa KDa**

Kininogen, LMW, Human Plasma recombinant protein - Additional Info

Gene ID **3827**
Gene Symbol **KNG1**

Other Names

Alpha-2-thiol proteinase inhibitor, Fitzgerald factor, High molecular weight Kininogen, Williams-Fitzgerald-Flaujeac factor, BDK, KNG, Kininogen-1 heavy chain, T-kinin, Bradykinin, Lysyl-bradykinin, Kininogen-1 light chain, Low molecular weight growth-promoting factor

Gene Source **Human**
Source **Human Plasma**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **No**
Target/Specificity
Kininogen

Application Notes

In water or aqueous buffer

Format

Lyophilized

Storage

-20°C; Lyophilized from 10 mM Na acetate, pH 5.5 with 200 mM NaCl

Kininogen, LMW, Human Plasma recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Kininogen, LMW, Human Plasma recombinant protein - Images**Kininogen, LMW, Human Plasma recombinant protein - Background**

LMW Kininogen is involved in blood pressure regulation since it is an endogenous protein substrate for tissue kallikrein. Proteolytic cleavage by kallikrein releases vasoactive bradykinin from LMW kininogen. In addition, LMW kininogen, like HMW kininogen, is a major extracellular cysteine protease inhibitor.

Kininogen, LMW, Human Plasma recombinant protein - References

Ohkubo I.,et al.Biochemistry 23:5691-5697(1984).
Takagaki Y.,et al.J. Biol. Chem. 260:8601-8609(1985).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).