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Kininogen, HMW, Human Plasma recombinant protein

Alpha-2-thiol proteinase inhibitor, Fitzgerald factor, High molecular weight Kininogen, Williams-Fit

Catalog # PBV10924r

Specification

Kininogen, HMW, Human Plasma recombinant protein - Product info

Primary Accession	P01042
Calculated MW	120 kDa KDa

Kininogen, HMW, 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

Format
Frozen

Storage
-80°C; Frozen in 10 mM Na acetate, pH 5.5 with 250 mM NaCl.

Kininogen, HMW, 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 Cytomety
- Cell Culture

Kininogen, HMW, Human Plasma recombinant protein - Images

Kininogen, HMW, Human Plasma recombinant protein - Background

HMW kininogen, synthesized by hepatocytes, is a multifunctional protein. It is the precursor protein of bradykinin. In addition it is a cofactor in the activation of factor XI, XII, and prekallikrein and a major extra-cellular cysteine proteinase inhibitor. Kininogens inhibit systemic proteases which are thought to have a part in various diseases such as cancer, muscular dystrophy and joint disease.

Kininogen, HMW, Human Plasma recombinant protein - References

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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).