

## KLK4 Human

**Description:** KLK4 Human Recombinant produced in HEK-293 cells is a single, glycosylated, polypeptide chain having a molecular weight of 25kDa. The KLK4 is purified by proprietary chromatographic techniques.

Catalog #: ENPS-516

**Synonyms:** kallikrein-related peptidase 4, EMSP1, KLK-L1, PRSS17, PSTS, Kallikrein-4, Prostase, Kallikrein-like protein 1, Enamel matrix serine proteinase 1, Serine protease 17, EC 3.4.21.

For research use only.

**Source:** HEK293-F Cells.

**Physical Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

### Formulation:

The KLK4 protein was lyophilized from a 0.2

### Stability:

Lyophilized KLK4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution KLK4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Solubility:

It is recommended to reconstitute the lyophilized KLK4 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### Introduction:

Kallikreins are a subgroup of serine proteases containing various physiological functions. kallikreins are involved in carcinogenesis and several have potential as novel cancer and other disease biomarkers. KLK4 is one of the fifteen kallikrein subfamily members localized in a cluster on chromosome 19. In some tissues its expression is hormonally regulated. KLK4 is involved in the degradation of enamel proteins.

### Biological Activity:

>3000pmols/min/

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