

Human KLK3 Recombinant Protein



RPPB1864

Product Information Protein Information

Product SKU:

RPPB1864

Accession:

P07288

Host:

HEK293 Cells.

Protein description:

KLK3 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (18-261 a.a) containing a total of 250 amino acids, having a molecular mass of 27.6kDa. KLK3 is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Prostate-specific antigen, PSA, Gamma-seminoprotein, Semin, Kallikrein-3, P-30 antigen, Semenogelase, KLK3, APS, hK3, KLK2A1

Formulation:

The KLK3 solution (0.25mg/ml) contains 10% Glycerol and Phosphate-Buffered Saline (pH 7.4).

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

APLILSRIVG GWECEKHSQP WQVLVASRGR AVCGGVLVHP QWVLTAHCI RNKSVILLGR HSLFHPEDTG
QVFQVSHSFP HPLYDMSLLK NRFLRPGDSS SHDLMLLRSL EPAELTDAVK VMDLPTQEPA LGTTCYASGW
GSIEPEEFLT PKKLQCVDLH VISNDVCAQV HPQKVTKFML CAGRWTGGKS TCSGDSGGPL VCNGVLQGIT
SWGSEPCALP ERPSLYTKVV HYRKWIKDTI VANPHHHHHH

Biological Activity:

Specific activity is > 250pmol/min/ug. Defined by the amount of enzyme that cleaves 1pmole of Succinyl-ArgPro-Tyr-p-Nitroanilide to Succinyl-Arg-Pro-Tyr and p-Nitroanilide per minute at pH 7.5 at 37°C.