



Recombinant Protein Technical Manual
Recombinant Human Kallikrein 11/KLK11 Protein
(His Tag)
RPES3575

Product Data:

Product SKU: RPES3575

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_006844.1

Protein Information:

Molecular Mass: 26.3 kDa

AP Molecular Mass: 38 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 2mM CaCl₂, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Kallikrein1; hK11; Hippostasin; Serine Protease 20; Trypsin-Like Protease; KLK11; PRSS20; TLSP

Immunogen Information:

Sequence: Glu19-Asn250

Background:

Human Kallikrein 11 (KLK11) is a member of tissue kallikrein family which are extracellular serine proteases consisting of 15 members. Two isoforms of KLK11 are differentially expressed. Isoform 1 is predominantly expressed in brain and isoform 2 is preferentially expressed in prostate. Isoform 1 consists of a signal peptide, a short pro peptide and the mature chain. Isoform 2 contains an extra 32 amino acid N terminal to full-length isoform 1. KLK11 is a novel marker for ovarian and prostate cancer carcinomas. KLK11 can be activated by thermolysin and is active against a thioester substrate.