



Recombinant Protein Technical Manual

Recombinant Human Kallikrein 5/KLK5 Protein (His Tag)

RPES2869

Product Data:

Product SKU: RPES2869

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9Y337

Protein Information:

Molecular Mass: 30.7 kDa

AP Molecular Mass: 40 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 MES, 150mM NaCl, 10% Glycerol, pH 5.5.

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

Application:

Synonyms: Kallikrein-5; Kallikrein-Like Protein 2; KLK-L2; Stratum Corneum Tryptic Enzyme; KLK5; SCTE

Immunogen Information:

Sequence: Val23-Ser293

Background:

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many Kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen Kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein.