



Recombinant Protein Technical Manual

Recombinant Human Kallikrein 4/KLK4 Protein (His Tag)

RPES2848

Product Data:

Product SKU: RPES2848

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9Y5K2

Protein Information:

Molecular Mass: 25.4 kDa

AP Molecular Mass: 30 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: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

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

Application:

Synonyms: Kallikrein-4; Enamel Matrix Serine Proteinase 1; Kallikrein-Like Protein 1; KLK-L1; Prostase; Serine Protease 17; KLK4; EMSP1; PRSS17; PSTS; AI2A1; ARM1; EMSP; kallikrein; KLK-L1

Immunogen Information:

Sequence: Ser27-Ser254

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 members of the Kallikrein subfamily 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.