

Recombinant Human Kallikrein-8/KLK8 Protein

Catalog No.: RP00226 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	11202	O60259

Tags

C-His

Synonyms

KLK8; HNP; NP; NRPN; PRSS19; TADG14;
kallikrein-8;Kallikrein
8;HNP;NP;NRPN;PRSS19;TADG14

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
25.80 kDa	35-40 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris,150mM NaCl, pH 8.0.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Kallikrein-8, also known as Neuropsin, Serine protease 19, Serine protease TADG-14, Tumor-associated differentially expressed gene 14 protein and KLK8, is a secreted protein which belongs to the peptidase S1 family and Kallikrein subfamily. It is a serine protease which is capable of degrading a number of proteins such as casein, fibrinogen, kininogen, fibronectin and collagen type IV. Kallikrein-8 / KLK8 is involved in skin desquamation and keratinocyte proliferation and plays a role in the secondary phase of pathogenesis following spinal cord injury. Kallikrein-8 / KLK8 is expressed at high levels in serum, ascites fluid and tumor cytosol of advanced stage ovarian cancer patients and may serve as a marker of ovarian cancer.

Basic Information

Description

Recombinant Human Kallikrein-8/KLK8 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln29-Gly260) of human KLK-8/Kallikrein-8 (Accession #NP_009127.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its ability to cleave the fluorogenic peptide substrate Boc-VPR-AMC. The specific activity is >44.95 pmol/min/μg.

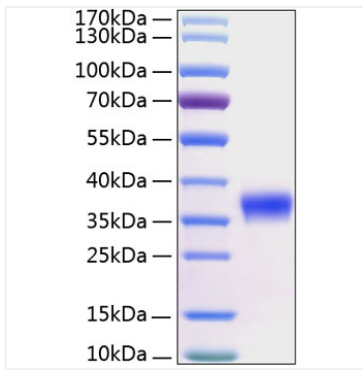
Storage

Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human KLK-8/Kallikrein-8 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-38 kDa.