

# Recombinant Human KLK10 protein (rFc Tag)

Catalog Number: Eg3132

## Basic Information

**Species:**  
Human**Purity:**  
>90 %, SDS-PAGE**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;1.0 EU/ µg protein, LAL method

**Source:**

HEK293-derived Human KLK10 protein Ala31-Asn276 (Accession# O43240) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

5655

**Accession:**

O43240

**Predicted Molecular Mass:**

52.6 kDa

**SDS-PAGE:****Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Kallikrein 10 (KLK10) is a member of the human tissue kallikrein family of secreted serine proteases. Kallikrein 10 was first identified through subtractive hybridization between normal and radiation-transformed mammary epithelial cells. Kallikrein 10 is expressed in the glandular epithelium and is found in multiple organs, including the kidneys, gastrointestinal tract, peripheral nerves, and specific neuroendocrine organs. Kallikrein 10 has primarily been investigated in the context of breast cancer.

## References

1. Borgoño, Carla A, and Eleftherios P Diamandis. Nature reviews. Cancer vol. 4,11 (2004): 876-90.
2. Kioulafa, M et al. Annals of oncology : official journal of the European Society for Medical Oncology vol. 20,6 (2009): 1492-1497.
3. Luo, Yi-Chao et al. Biochemical and biophysical research communications vol. 689 (2023): 149217.

## Synonyms

EC:3.4.21.-, Kallikrein 10, Kallikrein-10, NES1, Normal epithelial cell-specific 1

## Selected Validation Data

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For technical support and original validation data for this product please contact

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