

Recombinant Human KLK9 protein (rFc Tag)

Catalog Number: Eg2779

Basic Information

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

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human KLK9 protein His16-Asn250 (Accession# Q9UKQ9-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

284366

Accession:

Q9UKQ9-1

Predicted Molecular Mass:

52.0 kDa

SDS-PAGE:

58-68 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in 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

KLK9, or kallikrein-related peptidase 9, is a member of the human kallikrein-related peptidases family, which is the largest family of secreted serine proteases. These enzymes have diverse expression patterns and physiological roles, and their aberrant activity has been linked to various pathologies such as respiratory diseases, neurodegeneration, skin-barrier dysfunction, and cancer. The serum level of KLK9 has also been suggested to have the potential to be used as a biomarker for asthma. The KLK9 gene was also found to be regulated by steroid hormones, mainly estrogens and progestins, in cancer cell lines.

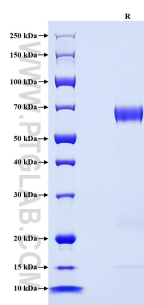
References

1. Filippou P, et al. (2017). Clin Proteomics.17;14:4.
2. Yousef GM, et al. (2003). Breast Cancer Res Treat. 78(2):149-58.

Synonyms

KLK9, Kallikrein 9, Kallikrein9, KLK 9, KLK L3

Selected Validation Data



Purity of Recombinant Human KLK9 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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