For Research Use Only

Recombinant Human KLK6 protein (rFc Tag) (HPLC verified)

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Catalog Number: Eg2826

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human KLK6 protein Glu17-Lys244 (Accession# Q92876-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
5653

Accession:
Q92876-1

Predicted Molecular Mass:
51.2 kDa

SDS-PAGE:
10 kDa, 44-50 kDa and 55-60 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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-related peptidase 6 (KLK6) belongs to a family of serine proteases that are emerging as prevalent biomarkers of inflammatory and malignant diseases. Cell culture and preclinical animal model studies suggest that KLK6 may promote inflammation and autoimmunity via cleavage of the G protein–coupled protease-activated receptor 1 (PAR1) and PAR2.

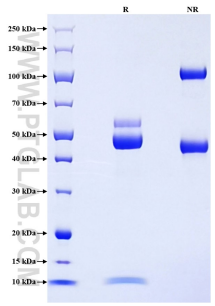
References

1. Billi AC, et al. (2020). J Clin Invest. 130(6):3151-3157.
2. Oikonomopoulou K, et al. (2006). Biol Chem. 387(6):817–824.
3. Radulovic M, et al. (2015). Neurobiol Dis. 83:75–89.

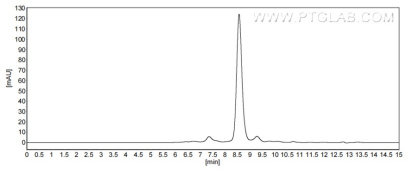
Synonyms

EC:3.4.21.-, Kallikrein-6, PRSS18, PRSS9, SP59

Selected Validation Data



Purity of Recombinant Human KLK6 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human KLK6 was greater than 90% as determined by SEC-HPLC.