For Research Use Only

Recombinant Human Hepsin protein (rFc Tag)

www.ptgcn.com

Catalog Number: Eg5042

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 Hepsin protein Arg45-Arg155 (Accession# P05981) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
3249

Accession:
P05981

Predicted Molecular Mass:
39.0 kDa

SDS-PAGE:
39-48 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

Hepsin is a type II membrane-associated protein and a cell surface protease. It functions directly by degrading the extracellular matrix of surrounding cells and also acts as an activator of other extracellular proteases. It has been reported to be involved in a variety of biological processes.

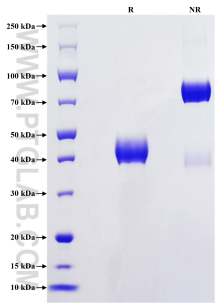
References

1.Tsuji, A et al. The Journal of biological chemistry vol. 266,25 (1991): 16948-53.
2.Kazama, Y et al. The Journal of biological chemistry vol. 270,1 (1995): 66-72.

Synonyms

EC:3.4.21.106, HPN, Serine protease hepsin, Serine protease hepsin non-catalytic chain, TMPRSS1

Selected Validation Data



Purity of Recombinant Human Hepsin 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.