

For Research Use Only

Recombinant Human DEFB119 protein (rFc Tag)



Catalog Number: Eg4054

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 DEFB119 protein Lys22-Pro84 (Accession# Q8N690-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

245932

Accession:

Q8N690-1

Predicted Molecular Mass:

33.8 kDa

SDS-PAGE:

35-42 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

DEFB119, also known as defensin beta 119, is a protein that belongs to the beta subfamily of defensins. These are antimicrobial peptides that play a critical role in protecting tissues and organs from infection by a variety of microorganisms. The DEFB119 gene is located on the long arm of chromosome 20 and is part of a cluster of other beta-defensin genes. This protein has been shown to have antibacterial activity and is involved in the innate immune response, particularly in the defence against bacteria, including both gram-negative and gram-positive bacteria, and fungi.

References

1. Li X, et al. (2022) Cell Rep Med. 3(12):100825.
2. Holly MK, et al. (2017) Annu Rev Virol. 4(1):369-391.
3. Radhakrishnan Y, et al. (2005) Genes Immun. 6(3):203-10.

Synonyms

Beta-defensin 119, Beta-defensin 120, Beta-defensin 19, Beta-defensin 20, DEFB120

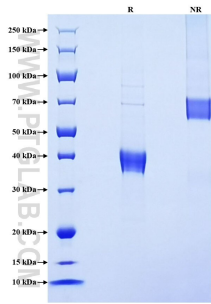
For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Human DEFB119 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.