

For Research Use Only

Recombinant Mouse IL-17C protein (rFc Tag)



Catalog Number: Eg2840

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

CHO-derived Mouse IL-17C protein His15-Gln194 (Accession# Q8K4C5) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

234836

Accession:

Q8K4C5

Predicted Molecular Mass:

45.7 kDa

SDS-PAGE:

45-53 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m 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

IL-17C is a member of the IL-17 cytokine family, was cloned from a human fetal kidney library in 2000. The IL-17 family comprises at least 6 proinflammatory cytokines that share a conserved cystine-knot structure but diverge at the N-terminus. IL-17 family members are glycoproteins that induce local cytokine production and recruit granulocytes to sites of inflammation. IL-17C is selectively induced in epithelia by bacterial challenge and inflammatory stimuli. IL-17RE is a receptor specific to IL-17C and has an essential role in host mucosal defense against infection.

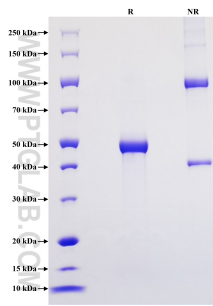
References

- 1.Chen, J et al. Proceedings of the National Academy of Sciences of the United States of America vol. 97,2 (2000): 7
- 2.Kolls, Jay K et al. Immunity vol. 21,4 (2004): 467-76.
- 3.Hymowitz, S G et al. The EMBO journal vol. 20,19 (2001): 5332-41.
- 4.Ramirez-Carrozzi, Vladimir et al. Nature immunology vol. 12,12 (2011): 1159-66.
- 5.Shi, Peiqing et al. Nature immunology vol. 12,12 (2011): 1151-8.

Synonyms

Cytokine CX2, IL17c, Interleukin-17C

Selected Validation Data



Purity of Recombinant Mouse IL-17C 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.

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

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