

For Research Use Only

Recombinant Mouse IL-20 protein (rFc Tag)



Catalog Number: Eg2797

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:

HEK293-derived Mouse IL-20 protein Leu25-Leu176 (Accession# Q9JKV9) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

58181

Accession:

Q9JKV9

Predicted Molecular Mass:

43.6 kDa

SDS-PAGE:

39-48 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

As a member of the IL-10 family, IL-20 functions as a proinflammatory cytokine by binding to its complex receptors (IL-20R1/IL-20R2 and IL-20R2/IL-22R1) on target cells. Excessive IL-20 expression is associated with chronic inflammatory diseases, such as rheumatoid arthritis and osteoporosis.

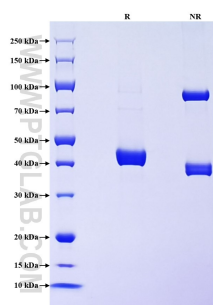
References

1. Wang HH. et al. (2022). J Biomed Sci. 29(1):36.
2. Hsu YH. et al. (2011). J Exp Med. 208(9):1849-1861.
3. Hsu YH. et al. (2017). Drug Discov Today. 22(6):960-964.

Synonyms

IL-20, Interleukin-20, Zcyto10

Selected Validation Data



Purity of Recombinant Mouse IL-20 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.