

For Research Use Only

Recombinant Mouse BAFFR/TNFRSF13C protein (rFc Tag)



Catalog Number: Eg1840

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/μg protein, LAL method

Source:

HEK293-derived Mouse BAFFR/TNFRSF13C protein Ser10-Ala71 (Accession# Q9D8D0-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

72049

Accession:

Q9D8D0-1

Predicted Molecular Mass:

33.0 kDa

SDS-PAGE:

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

B-cell-activating factor receptor (BAFF-R, also known as CD268 and TNFRSF13C) is a member of the tumor necrosis factor receptor (TNFR) superfamily. It is expressed in most malignant B cells, including those in primary central nervous system lymphoma (PCNSL), and is involved in the survival and proliferation of these cells. The interaction of BAFF with BAFF-R promotes NF-κB activation, which plays a crucial role in B-cell maturation, survival, and costimulation of T-cell activation and proliferation. Additionally, BAFF-R is associated with chronic kidney disease (CKD) by activating NF-κB signaling in renal tubular epithelial cells.

References

1. Zhou, Xiaolan et al. *Frontiers in oncology* vol. 10 682. 27 May (2020).
2. Smulski, Cristian R, and Hermann Eibel. *Frontiers in immunology* vol. 9 2285. 8 Oct (2018).
3. Möckel, Tamara et al. *International journal of molecular sciences* vol. 25,10 5415. 16 May (2024).

Synonyms

BAFF receptor, Baffr, BAFF-R, B-cell maturation defect, B-cell-activating factor receptor

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data