Recombinant Rat RANK/TNFRSF11A protein (rFc Tag)

proteintech

www.ptgcn.com

Catalog Number: Eg3285

Basic Information

Species:
Rat

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 Rat RANK protein Val31-Gln209 (Accession# F1M8Z6) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
498206

Accession:
F1M8Z6

Predicted Molecular Mass:
45.9 kDa

SDS-PAGE:
48-60 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

TNFRSF11A (tumor necrosis factor receptor superfamily, member 11A), also known as receptor activator of NF-κB (RANK), is highly expressed in bone and has an important role in osteoclast differentiation and activity. Tnfrsf11a deficiency in mice has also been associated with severe abnormalities in thymic epithelial cells and impaired negative selection, with severe autoimmune manifestations. Overexpression of RANK/TNFRSF11A in glioblastoma cell lines leads to a significant reduction in focus formation and elevated apoptotic activity.
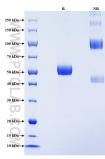
References

1. Hughes A.E., et al. (2000). Nat Genet. Jan;24(1):45-48.
2. von dem Knesebeck A, et al. (2012). Neoplasia. Jun;14(6):526-34.
3. Guerrini M.M., et al. (2008). Am J Hum Genet. Jul;83(1):64-76.

Synonyms

CD265, Osteoclast differentiation factor receptor (ODFR), RANK, Receptor activator of NF-KB, TNF receptor superfamily member 11A

Selected Validation Data

Purity of Recombinant Rat RANK 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.