

Recombinant Human TNFSF12 protein (rFc Tag)

Catalog Number: Eg2870

Basic Information

Species:
Human**Purity:**
>70 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>70 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human TNFSF12 protein Arg93-His249 (Accession# O43508-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

8742

Accession:

O43508-1

Predicted Molecular Mass:

43.4 kDa

SDS-PAGE:

42-50 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

TNFSF12, called TNF superfamily member 12, is also known as tweak (TNF-like weak inducer of apoptosis), DR3LG, APO3L, etc. It is a cytokine and belongs to tumor necrosis factor superfamily. The main receptor of TNFSF12 is fibroblast growth factor-induced early response protein 14 (Fn14, also known as TNFRSF12A). TNFSF12 can activate tumor necrosis factor receptor-related factor (TRAF) signal pathway and nuclear factor-κB (NF-κB) signal pathway after binding with Fn14, and then play its biological functions. It is widely distributed in many tissues and cell types, including fat, lung, heart, pancreas, skeletal muscle, small intestine, spleen and peripheral blood lymphocytes. Its expression level can be regulated by immune stimulation, inflammatory reaction and other factors.

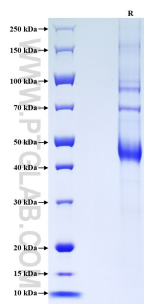
References

1. Matellan, Carlos et al. Journal of immunology (Baltimore, Md. : 1950) vol. 212,12 (2024): 1958-1970.
2. Gupta, Rinkesh K et al. Science immunology vol. 6,65 (2021): eabi8823.
3. Zeng, Tingting et al. Biomarkers in medicine vol. 19,17 (2025): 857-865.
4. Croft, Michael, and Richard M Siegel. Nature reviews. Rheumatology vol. 13,4 (2017): 217-233.

Synonyms

CD255, DR3LG, hCG_1991317, HCG1991317, isoform CRA_b TWEAK Tumor necrosis factor, Ligand

Selected Validation Data



Purity of Recombinant Human TNFSF12 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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