

For Research Use Only

Recombinant Human TNFRSF21/DR6 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2718

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human TNFRSF21 protein Gln42-His349 (Accession# 075509) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
27242

Accession:
075509

Predicted Molecular Mass:
59.5 kDa

SDS-PAGE:
68-95 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

DR6 (also known as TNFRSF21 or CD358) is an orphan receptor of the tumor necrosis factor (TNF) receptor superfamily. It controls cell death and differentiation in a cell-autonomous manner in different cell types including neurons, oligodendrocytes, endothelial cells, and immune cells. DR6 has been shown to activate NF-κB and JNK, and induce cell apoptosis. DR6 interacts with TRADD, which is known to mediate signal transduction of TNF receptors. It has been reported that APP binds DR6 to trigger axon pruning and neuron death via distinct caspases, indicating that DR6 might be involved in Alzheimer's disease.

References

1. Colombo A, et al. (2018) EMBO J. 37(7):e97390.
2. Pan G, et al. (1998) FEBS Lett. 431(3):351-6.
3. Nikolaev A, et al. (2009) Nature. 457(7232):981-9.

Synonyms

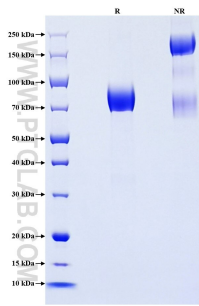
DR6, TNFRSF21, CD358, Death receptor 6, UNQ437/PRO868

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

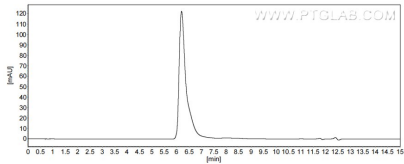
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Human TNFRSF21 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.



The purity of Human TNFRSF21/DR6 was greater than 90% as determined by SEC-HPLC.