For Research Use Only

Recombinant Mouse DR5 protein (rFc Tag)

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Catalog Number: Eg1579

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 DR5 protein Asn53-Lys180 (Accession# Q9QZM4) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
21933

Accession:
Q9QZM4

Predicted Molecular Mass:
40.4 kDa

SDS-PAGE:
45-55 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℃ 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

DR5, also known as CD262, TNFRSF10B, TRAILR2, TRICK2 and KILLER, is a widely expressed single-pass type I membrane protein, belonging to the tumour necrosis factor receptor superfamily (TNFRSF). It is a receptor for TNF-related apoptosis-inducing ligand (TRAIL), which is a member of the tumor necrosis factor (TNF) family of cytokines and induces apoptosis in a wide variety of cells. DR5 contains two extracellular cysteine-rich repeats, typical for TNF receptor (TNFR) family members, and a cytoplasmic death domain (DD), through which DR5 is capable of transmitting the apoptotic signal.

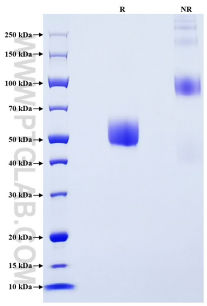
References

1. H Walczak, et al. (1997) EMBO J. 16(17):5386-97.
2. F Gonzalvez, A Ashkenazi. (2010) Oncogene. 29(34):4752-65.
3. Rocío Mora-Molina, Abelardo López-Rivas. (2022) Int J Mol Sci. 23(16):8987.

Synonyms

CD262, Death receptor 5, Killer, MK, Tnfrsf10b

Selected Validation Data



Purity of Recombinant Mouse DR5 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.