

For Research Use Only

Recombinant Human ROBO4 protein (rFc Tag)



Catalog Number: Eg7821

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human ROBO4 protein Gln28-Arg467 (Accession# Q8WZ75-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
54538

Accession:
Q8WZ75-1

Predicted Molecular Mass:
73.1 kDa

SDS-PAGE:
75-100 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°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

ROBO4 belongs to the immunoglobulin superfamily and ROBO family. It is a receptor for Slit proteins, at least for SLIT2, and seems to be involved in angiogenesis and vascular patterning. ROBO4 may mediate the inhibition of primary endothelial cell migration by Slit proteins. It's reported that activating Robo4 may have broad therapeutic application in diseases characterized by excessive angiogenesis and/or vascular leak.

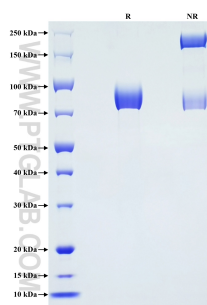
References

1. Jones, Christopher A et al. Nature medicine vol. 14,4 (2008): 448-53.
2. Dai, Chang et al. Bioscience reports vol. 39,7 (2019): null.
3. Xiao W, Pinilla-Baquero A, Faulkner J, et al. Sci Rep. 2022;12 (1):4352.

Synonyms

ECSM4, Magic roundabout, MRB, Roundabout homolog 4, UNQ421/PRO3674

Selected Validation Data



Purity of Recombinant Human ROBO4 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.

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

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