

For Research Use Only

Recombinant Mouse EPCR/CD201 protein (rFc Tag)(HPLC verified)

Catalog Number: Eg1517



Basic Information

Species:
Mouse

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 Mouse EPCR protein Leu18-Ser214 (Accession# Q64695) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
19124

Accession:
Q64695

Predicted Molecular Mass:
48.7 kDa

SDS-PAGE:
55-70 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

EPCR (endothelial cell protein C receptor) is a type 1 transmembrane protein that is primarily found on endothelial cells. It exhibits sequence and three-dimensional structural homology with the major histocompatibility class 1/CD1 family of proteins, particularly CD1d. It binds activated protein C and enhances protein C activation by the thrombin-thrombomodulin complex. It plays a role in the protein C pathway controlling blood coagulation.

References

1. Jian-Ming Gu, et al. (2002). J Biol Chem. Nov 8;277(45):43335-43.
2. Usha R Pendurthi, L Vijaya Mohan Rao. (2018). Curr Opin Hematol. May;25(3):219-226.
3. Jian-Ming Gu, et al. (2002). J Biol Chem. Nov 8;277(45):43335-43.

Synonyms

Activated protein C receptor, APC receptor, CD201, Centrocyclin, Centrosomal protein CCD41

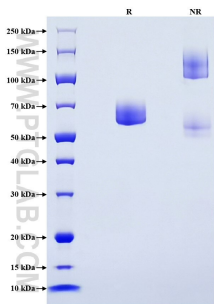
For technical support and original validation data for this product please contact

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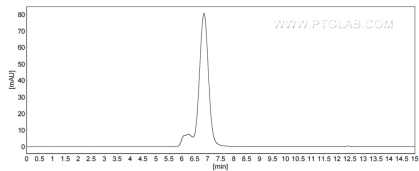
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Selected Validation Data



Purity of Recombinant Mouse EPCR 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 Mouse EPCR was greater than 90% as determined by SEC-HPLC.