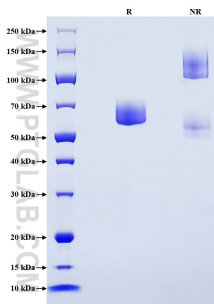


Recombinant Mouse EPCR/CD201 protein (rFc Tag)(HPLC verified)

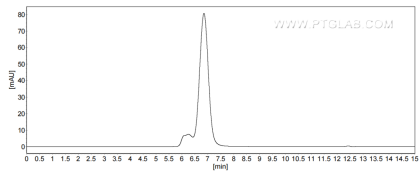
Catalog Number: Eg1517

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. <ul style="list-style-type: none">• 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	<ol style="list-style-type: none">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		

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.