EPCR Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P76907
Synonyms:	Endothelial Protein C Receptor; Activated Protein C Receptor; APC Receptor; Endothelial Cell Protein C Receptor; CD201; PROCR; EPCR
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_001100647.1 (S18-T209)
Gene ID:	706040
Molecular Weight:	Approximately 30-47 kDa due to the glycosylation

PROPERTIES

AA Sequence	S Q N A S D G L Q S L H M L Q I S Y F R D P Y H V W Y Q G N A S L G G H L T H V L E G P G T N A T I L Q L Q P L Q E P E S W A R M Q S G L Q A Y L L E F H G L V R L V H Q E R T L A F P L T I R C F L G C E L P P E G S R A H V F F E V A V N G S S F V S F R P E T A L W Q A D T Q V P S K V V T F I L Q Q L N A Y N R T R Y E L R E F L E D T C V Q Y V Q K H I S M E N M K G S Q T S R S Y T
Biological Activity	Immobilized Human Activated Protein C at 3 μg/mL (100 μL/well) can bind Cynomolgus EPCR. The ED_{50} for this effect is 2.076 μg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The EPCR protein exhibits a pivotal role in blood coagulation by binding to activated protein C and enhancing its activation through interaction with the thrombin-thrombomodulin complex. This participation in the protein C pathway underscores EPCR's significance in regulating coagulation processes, highlighting its ability to modulate the activation of protein C, a key factor in anticoagulant mechanisms.

Caution: Product has not been fully validated for medical applications. For research use only.

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