

EPCR Protein, Rat (HEK293, His)

Cat. No.:	HY-P75244
Synonyms:	Endothelial Protein C Receptor; CD201; PROCR; EPCR
Species:	Rat
Source:	HEK293
Accession:	Q4V8I1 (N21-S213)
Gene ID:	362248
Molecular Weight:	Approximately 30-40 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p> NSDGSQSLHM LQISYFPDPY HGRHQGNASL GKLLTHTLEG PSNNVTILQL QDWQDPDSWA RTESGLKIYL SQFNSLVQLI YRERKNDVVF PLTVSCSVGC ELPPEEGSEP HVFFDVAVNG SAFVSFQPKT AIWVTGSQEP SEAINFTLKQ LNTYNRTRYE LQEFLLQDTCV QYLENHIT TQ NTKGSQTGRS YTS </p>
Biological Activity	Immobilized Human Activated Protein C at 3 µg/mL (100 µL/well) can bind Rat EPCR. The ED ₅₀ for this effect is 0.2630 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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. 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.
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Caution: Product has not been fully validated for medical applications. For research use only.

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