

## EPCR Protein, Mouse (HEK293, His)

<b>Cat. No.:</b>	HY-P75245
<b>Synonyms:</b>	Endothelial Protein C Receptor; CD201; PROCR; EPCR
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q64695 (L18-S214)
<b>Gene ID:</b>	19124
<b>Molecular Weight:</b>	Approximately 30-48 kDa due to the glycosylation.

### PROPERTIES

<b>AA Sequence</b>	<p>LCNSDGSQSL HMLQISYFQD NHHVRHQGNA SLGKLLTHTL</p> <p>EGPSQNVITL QLQPWQDPES WERTESGLQI YLTQFESLVK</p> <p>LVYRERKENV FFPLTVSCSL GCELP EEEEE GSEPHVFFDV</p> <p>AVNGSAFVSF RPKTAVWVSG SQEPSKAANF TLKQLNAYNR</p> <p>TRYELQEF LQ DTCVEFLENH ITTQNMKGSQ TGRSYTS</p>
<b>Biological Activity</b>	Immobilized Human Activated Protein C at 3 µg/mL (100 µL/well) can bind Mouse EPCR. The ED <sub>50</sub> for this effect is 0.4145 µg/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The EPCR protein plays a crucial role in the protein C pathway, which regulates blood coagulation. It has the capability to bind activated protein C and acts to enhance its activation by the thrombin-thrombomodulin complex. This interaction is essential for controlling blood coagulation and maintaining proper hemostasis.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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