

EPCR Protein, Mouse (HEK293, His)

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

PROPERTIES

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| AA Sequence | <p>LCNSDGSQSL HMLQISYFQD NHHVRHQGNA SLGKLLTHTL</p> <p>EGPSQNV TIL QLQPWQDPES WERTESGLQI YLTQFESLVK</p> <p>LVYRERKENV FFPLTVSCSL GCELP EEEEE GSEPHVFFDV</p> <p>AVNGSAFVSF RPKTAVWVSG SQEPSKAANF TLKQLNAYNR</p> <p>TRYELQEF LQ DTCVEFLENH ITTQNMKGSQ TGRSYTS</p> |
| Biological Activity | Immobilized Human Activated Protein C at 3 µg/mL (100 µL/well) can bind Mouse EPCR. The ED ₅₀ for this effect is 0.4145 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

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| Background | 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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