

32-7313: Recombinant Human Endothelial Protein C Receptor/EPCR/PROCR/CD201 (C-6His)

Gene : PROCN
Gene ID : 10544
Uniprot ID : Q9UNN8

Description

Source: Human Cells.
MW :23.06kD.

Recombinant Human Endothelial Protein C Receptor is produced by our Mammalian expression system and the target gene encoding Ser18-Ser210 is expressed with a 6His tag at the C-terminus. Endothelial Protein C Receptor (EPCR) is a Vitamin K-dependent Serine Protease that plays a major role in blood coagulation. Binding of Protein C to EPCR leads to the proteolytic activation of PAR1 (Protease-Activated Receptor 1) on endothelial cells and subsequent up-regulation of Protein C-induced genes. EPCR is a type I transmembrane glycoprotein in the CD1/MHC family. It is expressed most strongly in the endothelial cells of arteries and veins in heart and lung. Membrane bound EPCR is released by metalloproteolytic cleavage to generate the soluble receptor. The extracellular domain of human and mouse EPCR shares approximately 61% amino acid sequence homology. EPCR plays an important role in augmenting Protein C activation by the Thrombin-Thrombomodulin complex and in regulating blood coagulation and inflammation. EPCR is found primarily on endothelial cells. Deletion of EPCR function results in embryonic death, at least in part due to placental thrombosis.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : SQDASDGLQRLHMLQISYFRDPYHVWYQGNASLGGHLTHVLEGPDTNTTIIQLQPLQEPESWARTQSGLQSYL LQFHGLVRLVHQERTLAFPLTIRCFGLGCELPPEGSRAHVFFEVAVNGSSFVSRPERALWQADTQVTSGVVTFT LQQLNAYNRTRYELREFLEDTCVQYVQKHISAENTKGSQTSRSYTSVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.