

Recombinant Human PROCR Protein, His-tagged

Cat. No. PROCR-010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROCR Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Thrombomodulin™ is an endothelial specific receptor that forms a complex with thrombin, a protein with procoagulant, inflammatory and anticoagulant effects. The TM/thrombin complex activates protein C (PC) to generate activated protein C (APC) and initiate the APC anticoagulant pathway. APC attenuates thrombin formation through the inactivation, by limited proteolysis, of two significant cofactors of blood clot formation, Factor Va and Factor VIIIa. This process is augmented by the activity of the endothelial cell Protein C receptor (EPCR), which binds both PC and APC with high affinity. The EPCR gene maps to human chromosome 20q11.22 and encodes an anticoagulant that is preferentially expressed on large blood vessel endothelium in the heart and lung with some expression in capillaries in the lung and skin. EPCR, also designated CCD41 in mouse, is a member of the major histocompatibility complex and displays significant homology to CD1. Soluble plasma EPCR is thought to inhibit the membrane-bound EPCR activation of the APC pathway.
Molecular Mass	~28 kDa
AA Sequence	MSQDASDGLQRLHMLQISYFRDPYHVWYQGNASLGGLHVLHVLEGPDNTTIIQLQP LQEPESWARTQSGQLQSYLLQFHGLVRLVHQERTLAFPLTIRCFLGCELPPEGSRAHV

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FFEVAVNGSSFVSFRPERALWQADTQVTSGVVTFTLQQLNAYNRTRYELREFLEDTCVQYVQKHISAENTKGSQTSRSYTS

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

PROCR protein C receptor, endothelial [Homo sapiens (human)]

Official Symbol

PROCR

Synonyms

PROCR; protein C receptor, endothelial; endothelial protein C receptor; CCD41; CD201; EPCR; APC receptor; centrocyclin; CD201 antigen; activated protein C receptor; endothelial cell protein C receptor; cell cycle, centrosome-associated protein; CCCA; bA42O4.2; MGC23024;

Gene ID

10544

mRNA Refseq

NM_006404

Protein Refseq

NP_006395

MIM

600646

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UniProt ID

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