

## Datasheet for ABIN7317261 **PROCR Protein (His tag)**



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### Overview

Quantity:	50 µg
Target:	PROCR
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PROCR protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human EPCR Protein (His Tag)
Sequence:	Met 1-Thr 209
Characteristics:	A DNA sequence encoding the extracellular domain of human PROCR (Q9UNN8) (Met 1-Thr 209), was fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

### Target Details

Target:	PROCR
Alternative Name:	EPCR ( <a href="#">PROCR Products</a> )
Background:	Background: Endothelial protein C receptor (EPCR); also known as activated protein C receptor (APC receptor) or PROCR; is a receptor for Protein C. Protein C plays an important role in many metabolism processes in humans and other animals after activated by binding to Endothelial

## Target Details

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protein C receptor (EPCR). Because of the EPCR is found primarily on endothelial cells (cells on the inside of blood vessels); activated protein C is found mainly near endothelial cells. Protein C is pleiotropic; with two main functions: anticoagulation and cytoprotection. Which function will be performed depend on whether or not protein C remains bind to EPCR after activated. The anticoagulation occurs when it does not. In this case; protein C functions as an anticoagulant by irreversibly proteolytically inactivating Factor Va and Factor VIIIa; turning them into Factor Vi and Factor VIIIi respectively. When still bound to EPCR; activated protein C performs its cytoprotective effects; acting on the effector substrate PAR-1; protease-activated receptor-1. To a degree; APC's anticoagulant properties are independent of its cytoprotective ones; in that expression of one pathway is not affected by the existence of the other.

Synonym: Endothelial Protein C Receptor; Activated Protein C Receptor; APC Receptor; Endothelial Cell Protein C Receptor; CD201; PROCR; EPCR

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Molecular Weight: 23.4 kDa

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UniProt: [Q9UNN8](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.