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Datasheet for ABIN7321108  
**PROCR Protein (His tag)**

1 Image

Overview

Quantity:	100 µg
Target:	PROCR
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PROCR protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat EPCR Protein (His Tag)
Sequence:	Met1-Ser213
Characteristics:	A DNA sequence encoding the rat PROCR (Met1-Ser213) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by 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 depends on whether or not protein C remains bound 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 V<sub>i</sub> and Factor VIII<sub>i</sub> 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: PROCR

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Molecular Weight: 23.2 kDa

UniProt: [Q4V811](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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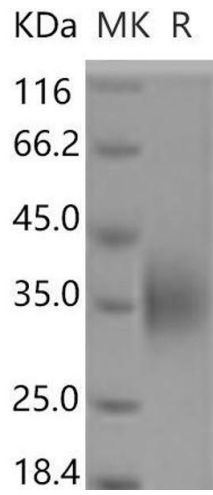
Format: Lyophilized

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.



**Western Blotting**

**Image 1.**