Recombinant Human PROCR protein, Fc-tagged

Cat. No. PROCR-8575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROCR (Ser18-Thr209) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Ser18-Thr209
Description	Endothelial protein C receptor (PROCR) is also known as Activated protein C receptor (APC receptor), Endothelial cell protein C receptor, CD antigen CD201. PROCR/EPCR/CD201 is a N-glycosylated protein, with a soluble form exists. PROCR is probably released by a metalloprotease. PROCR seems to have the same activity as the membrane-bound form. PROCR/EPCR/CD201 is expressed strongly in the endothelial cells of arteries and veins in heart and lung. PROCR binds activated protein C and enhances protein C activation by the thrombin - thrombomodulin complex. PROCR plays a role in the protein C pathway controlling blood coagulation.
Predicted N Terminal	Ser18
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 48.6 kDa. The protein migrates as 60-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

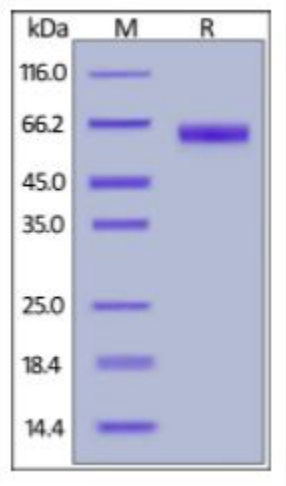
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PROCR
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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

MIM	600646
UniProt ID	Q9UNN8
SDS-PAGE of PROCR-8575H	 Human PROCR, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA