

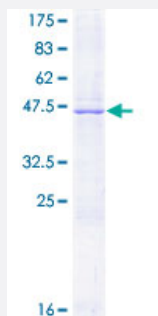
Full-Length

PROCR (Human) Recombinant Protein (P01)

Catalog # H00010544-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PROCR full-length ORF (AAH14451.1, 1 a.a. - 238 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLTTLLPILLLSGWAFCSQDASDGLQRLHMLQISYFRDPYHVWYQGNASLGGHLTHVLEGPDTNT TIQLQPLQEPESWARTQSGLSYLLQFHGLVRLVHQERTLAFPLTIRCFLGCELPPEGSRAHVFF EVAVNGSSFVSFRPERALWQADTQVTSGVVTFLLQQLNAYNRTRYELREFLEDTCVQYVQKHISA ENTKGSQTSRSYTSVLGVLVGGFIAGVAVGIFLCTGGRRC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.92
Interspecies Antigen Sequence	Mouse (65); Rat (67)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PROCR

Entrez GeneID [10544](#)

GeneBank Accession# [BC014451](#)

Protein Accession# [AAH14451.1](#)

Gene Name PROCR

Gene Alias CCCA, CCD41, CD201, EPCR, MGC23024, bA4204.2

Gene Description protein C receptor, endothelial (EPCR)

Omim ID [600646](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a receptor for activated protein C, a serine protease activated by and involved in the blood coagulation pathway. The encoded protein is an N-glycosylated type I membrane protein that enhances the activation of protein C. Mutations in this gene have been associated with venous thromboembolism and myocardial infarction, as well as with late fetal loss during pregnancy. [provided by RefSeq]

Other Designations APC receptor|CD201 antigen|OTTHUMP00000030729|activated protein C receptor|cell cycle, centrosome-associated protein|centrocyclin|endothelial protein C receptor

Publication Reference

- [Down-regulation of endothelial protein C receptor promotes preeclampsia by affecting actin polymerization.](#)

Wang H, Wang P, Liang X, Li W, Yang M, Ma J, Yue W, Fan S.

Journal of Cellular and Molecular Medicine 2020 Mar; 24(6):3370.

Application: Func, Recombinant protein

- [Aspalathin and nothofagin from rooibos \(Aspalathus linearis\) inhibit endothelial protein C receptor shedding in vitro and in vivo.](#)

Kwak S, Han MS, Bae JS.

Fitoterapia 2015 Jan; 100:179.

Application: ELISA, Human, Mouse, Primary human umbilical vein endothelial cells (HUVECs), mouse plasma

- [Piperlonguminine Downregulates Endothelial Protein C Receptor Shedding In Vitro and In Vivo.](#)

Ku SK, Kim JA, Bae JS.

Inflammation 2014 Apr; 37(2):435.

Application: ELISA, C-ELISA, Human, HUVECs

- [Mac-1 Directly Binds to the Endothelial Protein C-Receptor: A Link between the Protein C Anticoagulant Pathway and Inflammation?](#)

Fink K, Busch HJ, Bourgeois N, Schwarz M, Wolf D, Zirlik A, Peter K, Bode C, von Zur Muhlen C.

PLoS One 2013 Feb; 8(2):e53103.

Application: FlowCyt, Human, Human monocyte

Disease

- [Abortion](#)
- [Atherosclerosis](#)
- [beta-Thalassemia](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Coronary Disease](#)

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