

Recombinant human EPCR protein

Catalog Number: ATGP2638

PRODUCT INFORMATION

Expression system

E.coli

Domain

18-210aa

UniProt No.

Q9UNN8

NCBI Accession No.

NP_006395

Alternative Names

Protein C receptor endothelial, Protein C receptor, endothelial, CCCA, CCD41, CD201, EPCR

PRODUCT SPECIFICATION

Molecular Weight

24.4 kDa (216aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 80% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PROCR is a receptor for activated protein C, a serine protease activated by and involved in the blood coagulation pathway. This 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. The encoded protein may also play a role in malarial infection and has been associated with cancer. Recombinant human PROCR protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSSQDASDG LQRLHMLQIS YFRDPYHVWY QGNASLGGHL THVLEGPDTN TTIIQLQPLQ
EPESWARTQS GLQSYLLQFH GLVRLVHQR TLAFLPTIRC FLGCELPPEG SRAHVFFEVA VNGSSFVSFR PERALWQADT
QVTSGVVFTT LQQLNAYNRT RYELREFLED TCVQYVQKHI SAENTKGSQT SRSYTS

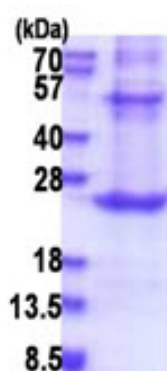
General References

Fukudome K. et al. (1994) J Biol Chem. 269:26486-26491.

Van de Wouwer M. et al. (2005) Arterioscler. Thromb. Vasc. Biol. 24:1374-83.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.