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Datasheet for ABIN7198701

PROC Protein (His tag)



Overview

| Quantity: | 20 μg |
|-------------------------------|---|
| Target: | PROC |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PROC protein is labelled with His tag. |

Product Details

| Purpose: | Recombinant Human PROC1/Protein C/PROC Protein (His Tag) |
|------------------|--|
| Sequence: | Met 1-Pro461 |
| Characteristics: | A DNA sequence encoding the human PROC (P04070) (Met1-Pro461) was expressed with a C-terminal polyhistidine tag. |
| Purity: | (79+20.5) % 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: | PROC |
|-------------------|---|
| Alternative Name: | PROC1 (PROC Products) |
| Target Type: | Viral Protein |
| Background: | Background: CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as |

Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.

Synonym: APC,PC,PROC,PROC1,THPH3,THPH4

Molecular Weight:

51.5 kDa

UniProt:

P04070

Application Details

Restrictions:

For Research Use only

Handling

| 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. |