

Recombinant human Podoplanin/PDPN protein

Catalog Number: PDP0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

99-207aa

UniProt No.

Q86YL7

NCBI Accession No.

NP_006465

Alternative Names

TIA2, T1A, T1 ALPHA GENE, T1 alpha, Podoplanin, PDPN, PA2.26 antigen, OTTHuMP00000044504, OTTHuMP00000009640, OTS8, Lung type I cell membrane-associated glycoprotein isoform a, Lung type I cell membrane associated glycoprotein isoform a AGGRuS, Lung type I cell membrane associated glycoprotein, hT1alpha2, hT1alpha1, HT1A-1, GP40, Gp38, GP36, Glycoprotein 36 KD

PRODUCT SPECIFICATION

Molecular Weight

13.4 kDa (130aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

Podoplanin (PDPN) is a small mucin-like transmembrane protein, widely expressed in various specialized cell types throughout the body. This is a type-I integral membrane glycoprotein with diverse distribution in human tissues. The physiological function of this protein may be related to its mucin-type character. The homologous

Recombinant human Podoplanin/PDPN protein

Catalog Number: PDP0801

protein in other species has been described as a differentiation antigen and influenza-virus receptor. Recombinant human PDPN protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography techniques.

Amino acid Sequence

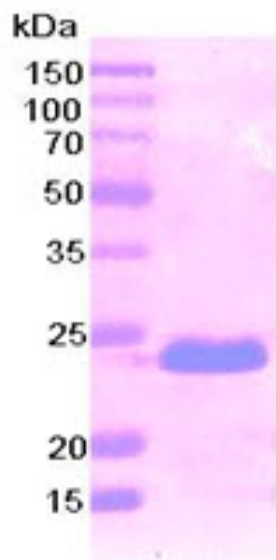
MGSSHHHHHH SSGLVPRGSH MASTGQPEDD TETTGLEGGV AMPGAEDDVV TPGTSEDYRK SGLTTLVATS VNSVTGIRIE
DLPTSESTVH AQEQSPSATA SNVATSHSTE KVDGDTQTTV EKDGLSTVTL

General References

Wicki A., et al. (2006) Br J Cancer. 96(1):1-5.
Zimmer G., et al. (1999) Biochem J. 341, 277-84.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)