

Recombinant Human Podoplanin, His-tagged

Cat. No. PDPN-379H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PDPN protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography techniques, 13.4 kDa (130 aa).
Species	Human
Source	E.coli
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 protein in other species has been described as a differentiation antigen and influenza-virus receptor.
Sequences of amino acids	MGSSHHHHHH SGLVPRGSH MASTGQPEDD TETTGLEGGV AMPGAEDDVV TPGTSEDRYK SGLTTLVATS VNSVTGIRIE DLPTSESTVH AQEQSPSATA SNVATSHSTE KVDGDTQTTV EKDGLSTVTL
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	PDPN podoplanin [Homo sapiens]
Synonyms	PDPN; podoplanin; T1A; GP36; GP40; Gp38; OTS8; T1A-2; AGGRUS; HT1A-1; PA2.26; lung type-I cell membrane-associated glycoprotein; hT1alpha-1; hT1alpha-2; OTTHUMP00000009640; OTTHUMP00000044504; glycoprotein, 36-KD; lung type I cell membrane associated glycoprotein; lung type-I cell membrane-associated glycoprotein (T1A-2); aggrus; PA2.26; Glycoprotein 36; PA2.26 antigen; T1-alpha; Aggrus; T1-alpha; lung type-I cell membrane-associated glycoprotein
Gene ID	10630
mRNA Refseq	NM_001006624
Protein Refseq	NP_001006625
MIM	608863
UniProt ID	Q86YL7
Chromosome Location	1p36.21
Function	NOT amino acid transmembrane transporter activity; NOT folic acid transporter activity; NOT water channel activity

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