

Plexin domain-containing protein 1 Protein, Mouse (P.pastoris, His)

Cat. No.:	HY-P71843
Synonyms:	Plxdc1; Tem7; Plexin domain-containing protein 1; Tumor endothelial marker 7
Species:	Mouse
Source:	P. pastoris
Accession:	Q91ZV7 (20L-426T)
Gene ID:	72324
Molecular Weight:	Approximately 47.3 kDa

PROPERTIES

AA Sequence

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L S P A T P A G H N   E G Q D S A W T A K   R T R Q G W S R R P   R E S P A Q V L K P
G K T Q L S Q D L G   G G S L A I D T L P   D N R T R V V E D N   H N Y Y V S R V Y G
P G E K Q S Q D L W   V D L A V A N R S H   V K I H R I L S S S   H R Q A S R V V L S
F D F P F Y G H P L   R Q I T I A T G G F   I F M G D M L H R M   L T A T Q Y V A P L
M A N F N P G Y S D   N S T V A Y F D N G   T V F V V Q W D H V   Y L Q D R E D R G S
F T F Q A A L H R D   G R I V F G Y K E I   P M A V L D I S S A   Q H P V K A G L S D
A F M I L N S S P E   V P A S Q R R T I F   E Y H R V E L D S S   K I T T T S A V E F
T P L P T C L Q H Q   S C D T C V S S N L   T F N C S W C H V L   Q R C S S G F D R Y
R Q E W L T Y G C A   Q E A E G K T C E D   F Q D D S H Y S A S   P D S S F S P F N G
D S T T S S S L F I   D S L T T E D D T K   L N P Y A E G D G L   P D H S S P K S K G
P P V H L G T
  
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Appearance Lyophilized powder.

Formulation Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.

Endotoxin Level <1 EU/μg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O.

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

The Plexin Domain-Containing Protein 1 (PLXDC1) plays a crucial role in the intricate process of endothelial cell capillary morphogenesis. Its significance is underscored by its interaction with NID1, suggesting a potential involvement in mediating

cellular responses within the extracellular matrix environment. Furthermore, PLXDC1 may engage with CTTN, implying a broader spectrum of protein interactions that could contribute to diverse cellular functions. The precise mechanisms by which PLXDC1 modulates endothelial cell capillary morphogenesis and its interactions with NID1 and CTTN warrant further exploration, shedding light on the intricate regulatory networks involved in angiogenesis and tissue morphogenesis.

Caution: Product has not been fully validated for medical applications. For research use only.

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