

## PLXDC2 Protein, Mouse (HEK293, His)

<b>Cat. No.:</b>	HY-P71215
<b>Synonyms:</b>	Plexin domain-containing protein 2; Tumor endothelial marker 7-related protein; Plxdc2; Tem7r
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q9DC11 (E31-A455)
<b>Gene ID:</b>	67448
<b>Molecular Weight:</b>	Approximately 70-90 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> E P G H H T N D W I   Y E V T N A F P W N   E E G V E V D S Q A   Y N H R W K R N V D P F K A V D T N R A   S M G Q A S P E S K   G F T D L L L D D G   Q D N N T Q I E E D T D H N Y Y I S R I   Y G P A D S A S R D   L W V N I D Q M E K   D K V K I H G I L S N T H R Q A A R V N   L S F D F P F Y G H   F L N E V T V A T G   G F I Y T G E V V H R M L T A T Q Y I A   P L M A N F D P S V   S R N S T V R Y F D   N G T A L V V Q W D H V H L Q D N Y N L   G S F T F Q A T L L   M D G R I I F G Y K   E I P V L V T Q I S S T N H P V K V G L   S D A F V V V H R I   Q Q I P N V R R R T   I Y E Y H R V E L Q M S K I T N I S A V   E M T P L P T C L Q   F N G C G P C V S S   Q I G F N C S W C S K L Q R C S S G F D   R H R Q D W V D S G   C P E E V Q S K E K   M C E K T E P G E T S Q T T T T S H T T   T M Q F R V L T T T   R R A V T S Q M P T   S L P T E D D T K I A L H L K D S G A S   T D D S A A E K K G   G T L H A </pre>
<b>Biological Activity</b>	Immobilized Mouse PLXDC2 at 2 µg/mL (100 µL/well) can bind Anti-PLXDC2 Antibody, The ED <sub>50</sub> for this effect is 1.749 µg/mL.
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM Glycine-HCl, 10% Trehalose, 0.05% Tween 80, pH 3.5 or PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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**Background**

PLXDC2 Protein is implicated in tumor angiogenesis, suggesting its potential involvement in the complex processes associated with the growth of blood vessels within the tumor microenvironment. The specific mechanisms through which PLXDC2 contributes to tumor angiogenesis and its downstream signaling pathways remain to be fully elucidated, warranting further investigation into its role in promoting vascularization during tumorigenesis. Notably, PLXDC2 interacts with CTTN, indicating a potential molecular association that may contribute to its functions in tumor-related angiogenic processes. The intricacies of PLXDC2's role in tumor angiogenesis and its interactions with other cellular components underscore the need for in-depth exploration to better understand its contribution to cancer progression.

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

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