

Cadherin-3 Protein, Pig (*P.pastoris*)

Cat. No.:	HY-P71725
Synonyms:	CDH3Cadherin-3; Placental cadherin; P-cadherin; Fragment
Species:	Pig
Source:	<i>P. pastoris</i>
Accession:	O18926 (1K-145A)
Gene ID:	100187727
Molecular Weight:	Approximately 31.6 kDa

PROPERTIES

AA Sequence	<p> K I A K Y E L F G H A V S E N G A S V E E P M N I S I I V T D Q N D H K P K F T Q D V F R G S V L E G V L P G T S V M Q V T A T D E D D A I N T Y N G V V A Y S I L S Q E P K D P H D L M F T V H R S T G A I S V I S S G L D R E R V P E Y T L T I Q A T D M D G D G S S T T A T A I V E I L D A </p>
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 ddH ₂ O.
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	<p> Cadherin-9, a calcium-dependent cell adhesion protein, operates as part of the intricate network of cellular interactions. Displaying calcium-dependent adhesion, cadherins like CDH9 exhibit a preference for homophilic interactions, engaging with themselves in connecting cells. This distinctive feature positions cadherins to potentially play a role in the sorting of heterogeneous cell types. The calcium-dependent mechanism underscores the regulatory role of cadherins in cellular cohesion and organization within intercellular junctions, contributing to the overall maintenance of tissue integrity and function. </p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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