PCDH1 Protein, Human (HEK293, His)

Cat. No.:	HY-P71187
Synonyms:	Protocadherin-1; Cadherin-Like Protein 1; Protocadherin-42; PC42; PCDH1
Species:	Human
Source:	HEK293
Accession:	Q08174 (T58-N852)
Gene ID:	5097
Molecular Weight:	Approximately 120.0 kDa

PROPERTIES

AA Sequence	TRVVYKVPEE QPPNTLIGSL AADYGFPDVG HLYKLEVGAP YLRVDGKTGD IFTTETSIDR EGLRECQNQL PGDPCILEFE VSITDLVQNG SPRLLEGQIE VQDINDNTPN FASPVITLAI PENTNIGSLF PIPLASDRDA GPNGVASYEL QAGPEAQELF GLQVAEDQEE KQPQLIVMGN LDRERWDSYD LTIKVQDGGS PPRASSALLR VTVLDTNDNA PKFERPSYEA ELSENSPIGH SVIQVKANDS DQGANAEIEY TFHQAPEVVR RLLRLDRNTG LITVQGPVDR EDLSTLRFSV LAKDRGTNPK SARAQVVVTV KDMNDNAPTI EIRGIGLVTH QDGMANISED VAEETAVALV QVSDRDEGEN AAVTCVVAGD VPFQLRQASE TGSDSKKKYF LQTTTPLDYE KVKDYTIEIV AVDSGNPPLS STNSLKVQVV DVNDNAPVFT QSVTEVAFPE NNKPGEVIAE ITASDADSGS NAELVYSLEP EPAAKGLFTI SPETGEIQVK TSLDREQRES YELKVVAADR GSPSLQGTAT VLVNVLDCND NDPKFMLSGY NFSVMENMPA LSPVGMVTVI DGDKGENAQV QLSVEQDNGD FVIQNGTGTI LSSLSFDREQ QSTYTFQLKA VDGGVPPRSA YVGVTINVLD ENDNAPYITA PSNTSHKLLT PQTRLGETVS QVAAEDFDSG VNAELIYSIA GGNPYGLFQI GSHSGAITLE KEIERRHHGL HRLVVKVSDR GKPPRYGTAL VHLYVNETLA NRTLLETLLG HSLDTPLDID IAGDPEYERS KQRGN
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	PCDH1 Protein appears to play a potential role in cell-cell interaction processes and cell adhesion, suggesting its involvement in mediating crucial interactions for cellular communication and structural integrity. The implication of PCDH1 in cell adhesion highlights its potential significance in the formation and maintenance of cellular connections. Elucidating the specific mechanisms through which PCDH1 participates in cell-cell interactions and adhesion processes could provide valuable insights into its role in cellular communication and tissue organization. Further exploration of PCDH1's functions may deepen our understanding of its implications in various physiological contexts, including cellular signaling and tissue development.

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