

PCDH10 Protein, Human (L405P, HEK293, His)

Cat. No.:	HY-P71188
Synonyms:	Protocadherin-10; PCDH10; KIAA1400
Species:	Human
Source:	HEK293
Accession:	Q9P2E7 (Q19-T715, L405P)
Gene ID:	57575
Molecular Weight:	Approximately 87.0 kDa

PROPERTIES

AA Sequence

QLHYTVQEEQ	EHGTFVGNIA	EDLGLDITKL	SARGFQTVPN
SRTPLYDLNL	ETGVLYVNEK	IDREQICKQS	PSCVLHLEVF
LENPLELFQV	EIEVLDINDN	PPSFPEPDLT	VEISESATPG
TRFPLESAFD	PDVGTNSLRD	YEITPNSYFS	LDVQTQGDGN
RFAELVLEKP	LDREQQAVHR	YVLTAVDGGG	GGGVGEGGGG
GGGAGLPPQQ	QRTGTALLTI	RVLDSNDNVP	AFDQPVYTVS
LPENSPPGTL	VIQLNATDPD	EGQNGEVVYS	FSSHISPRAR
ELFGLSPRTG	RLEVSGELDY	EESPVYQVYV	QAKDLGPNAV
PAHCKVLVRV	LDANDNAPEI	SFSTVKEAVS	EGAAPGTVVA
LFSVTD RDSE	ENGQVQCELL	GDVPFRPKSS	FKNYYTIVTE
APLDREAGDS	YTLTVVARDR	GEPALSTSKS	IQQVSDVND
NAPRFSQPVY	DVYVTENNVP	GAYIYAVSAT	DRDEGANAQL
AYSILECQIQ	GMSVFTYVSI	NSENGLYAL	RSFDYEQLKD
FSFQVEARDA	GSPQALAGNA	TVNILIVDQN	DNAPAIVAPL
PGRNGTPARE	VLPRSAEPGY	LLTRVA AVDA	DDGENARLTY
SIVRGNEMNL	FRMDWRTGEL	RTARRVPAKR	DPQRPYELVI
EVRDHGQPPL	SSTATLVVQL	VDGAVEPQGG	GGSGGGGSGE
HQRPSRSGGG	ETSLDLT		

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.

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

PCDH10 Protein presents itself as a potential calcium-dependent cell-adhesion protein, suggesting a role in mediating cell-cell interactions. The protein's calcium dependence implies its responsiveness to intracellular calcium levels, which is a characteristic feature of many cell-adhesion molecules involved in processes such as cell recognition, adhesion, and signaling. PCDH10's putative function as a cell-adhesion protein suggests its involvement in maintaining tissue integrity and regulating cellular behavior within diverse biological contexts. Further exploration of its molecular interactions and cellular functions may offer valuable insights into its specific roles in cell adhesion and its potential implications in various physiological processes.

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

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