

Recombinant Human PCDH10, His-tagged

Cat. No. PCDH10-7743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Protocadherin10/PCDH10 is produced with our mammalian cells expression system in HEK293. The target protein is expressed with sequence (Gin19Thr715) of Human PCDH10 fused with a polyhistidine tag at the Cterminus.
Species	Human
Source	HEK293
Description	Protocadherin10 (PCDH10) is a singlepass type I membrane protein that contains six extracellular cadherin domains, one transmembrane domain and one cytoplasmic tail differing from those of the classical cadherins. As a potential calciumdependent celladhesion neuronal receptor, it may plays a role in the establishment and function of specific cellcell connections in the brain. PCDH10 moderately expressed in all regions of the brain examined, as well as in testis and ovary, and low expression in all other tested tissues.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4
AA Sequence	QLHYTVQEEQ EHGTFVG NIA EDLGLDITKL SARGFQTVPN SRTPYLDLNL ETGVLYVNEK IDREQICKQ SPSCVLHLEV FLENPLELFQ VEIEVLDIND NPPSFPEPDL TVEISESATP G TRFPLESA FDPDVGTNSL RDYEITPNSY FSLDVQTQGD GNRFAELVLE KPLDREQQAV HR YVLTAVD GGGGGGVGEG GGGGGGAGLP PQQQRTGTAL LTIRVLDSND NVPAFDQPVY TVS LPENSP PGTLVIQLNA

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Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name	PCDH10 protocadherin 10 [Homo sapiens]
Official Symbol	PCDH10
Synonyms	PCDH10; protocadherin 10; protocadherin-10; KIAA1400; OL PCDH; ortholog of OL-pcdh; PCDH19; OL-PCDH; MGC133344; DKFZp761O2023;
Gene ID	57575
mRNA Refseq	NM_032961
Protein Refseq	NP_116586
MIM	608286
UniProt ID	Q9P2E7
Chromosome Location	4q28.3
Function	calcium ion binding;

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