

## 32-7550: Recombinant Human Protocadherin-10/PCDH10 (C-6His)

**Gene :** PCDH10  
**Gene ID :** 57575  
**Uniprot ID :** Q9P2E7

### Description

Source: Human Cells.  
MW :76.38kD.

Recombinant Human Protocadherin-10 is produced by our Mammalian expression system and the target gene encoding Gln19-Thr715 is expressed with a 6His tag at the C-terminus. Protocadherin-10 (PCDH10) is a single-pass 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 calcium-dependent cell-adhesion neuronal receptor, it may play a role in the establishment and function of specific cell-cell 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -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 -20°C for 3 months.  
**Amino Acid :** QLHYTVQEEQEHEGTFVGNIAEDLGLDITKLSARGFQTPNSRTPYLDLNLLETGVLYVNEKIDREQICKQSPSCVLEHLEVFLENPLELFQVEIEVLDINDNPPSFPEPDLTVEISESATPGTRFPLESAFDPDVGTVNSLRDYEITPNSYFSLDVQTQGDGDRFAELVLEKPLDREQQAVHRYVLTAVDGGGGGGVGEVGGGGGGAGLPPQQRTGTALLTIRVLDSDNDNVPAPFDQPVYTVSLPENSPPGTLVIQLNATDPDEGQNGEVVYFSSSHISPRARELFGSPRTGRLEVSGELDYEESPVYQVYVQAKDLGPNAPAHCKVLRVLDANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDRDSEENGVQVQCELLGDVFPFRPKSSFKNYYTIVTEAPLDREAGDSYTLTVVARDRGEALSTSKSIQVQVSDVNDNAPRFSQPVYDVYVTENNVPYAVSATDRDEGANALAYSILECQIQGMSVFTYVSINSENGYLYALRSFDYEQKDFSFQVEARDAGSPQALAGNATVNILIVDQNDNAPAIAPLGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYIVRGNEMNLFMRDWRTEGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVDGAVEPQGGGGSGGGGSGEGHQRPSRSGGGGETSLDLTVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.