

## PCDH10 Protein, Human, Recombinant (His)

### General Information

Synonyms:	Protocadherin-10;PCDH10;KIAA1400
Protein Construction:	Gln19-Thr715 (Leu405Pro)
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9P2E7
Molecular Weight:	87 KDa (reducing condition)
AA Sequence:	Gln19-Thr715

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM PB, 150 mM NaCl, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

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.

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