



Recombinant Protein Technical Manual

**Recombinant Human Protocadherin0/PCDH10
Protein (His Tag)**
RPES3465

Product Data:

Product SKU: RPES3465

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9P2E7

Protein Information:

Molecular Mass: 76.4 kDa

AP Molecular Mass: 87 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protocadherin0; PCDH10; KIAA1400

Immunogen Information:

Sequence: Gln19-Thr715

Background:

Protocadherin0 (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 is moderately expressed in all regions of the brain examined, as well as in testis and ovary, and low expression in all other tested tissues.