



Recombinant Protein Technical Manual

Recombinant Human Cadherin1/CDH11 Protein (His Tag)

RPES3736

Product Data:

Product SKU: RPES3736

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q96CZ9

Protein Information:

Molecular Mass: 66.6 kDa

AP Molecular Mass: 82 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,pH7.4.

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

Application:

Synonyms: Cadherin 11 Type 2 OB-cadherin (Osteoblast); Cadherin 11 Type 2 OB-Cadherin (Osteoblast) Isoform CRA_c; CDH11

Immunogen Information:

Sequence: Phe23-Thr617

Background:

Cadherin1 is a type II classical cadherin member of the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Cadherins interact with themselves in a homophilic manner in connecting cells, and thus contribute to the sorting of heterogeneous cell types. Cadherin1 contains five cadherin domains and is mainly expressed in the brain. Mature cadherin proteins consists of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small highly conserved C-terminal cytoplasmic domain. It is shown that Cadherin1 is a viable molecular target for therapeutic intervention in Glioblastoma multiforme.