



Recombinant Protein Technical Manual

Recombinant Rat Cadherin3/CDH13 Protein

RPES4859

Product Data:

Product SKU: RPES4859

Size: 50µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: NP_620244.1

Protein Information:

Molecular Mass: 74.3 kDa

AP Molecular Mass: 84-96 kDa

Tag:

Bio-activity:

Purity: > 90 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein 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 sterile PBS, pH 7.4

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

Application:

Synonyms: CDH13

Immunogen Information:

Sequence: Met1-Ala692

Background:

CDH13, also known as cadherin3 and H Cadherin, is a member of the cadherin superfamily. CDH13 acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. CDH13 is localized to the surface of the cell membrane and is anchored by a GPI moiety, rather than by a transmembrane domain. CDH13 gene is hypermethylated in many types of cancer.