Recombinant Protein Technical Manual

Recombinant Rat Cadherin5/CDH15 Protein (Fc Tag)

RPES4838

Product Data:

Product SKU: RPES4838

Size: 50µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: Q75NI5

Protein Information:

Molecular Mass: 90.6 kDa

AP Molecular Mass: 118 kDa

Tag: C-Fc

Bio-activity:

Purity: > 92 % 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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: CDH15

Immunogen Information:

Sequence: Met1-Gly602

Background:

Cadherin5, also known as CDH15, is a member of the cadherin superfamily. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. Cadherin5 contains 5 cadherin domains. It is expressed in some normal epithelial tissues and in some carcinoma cell lines. Defects in CDH3 are the cause of ectodermal dysplasia with ectrodactyly and macular dystrophy (EEM), also known as EEM syndrome, Albrectsen-Svendsen syndrome or Ohdo-Hirayama-Terawaki syndrome. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EEM is an autosomal recessive condition characterized by features of ectodermal dysplasia such as sparse eyebrows and scalp hair, and selective tooth agenesis associated with macular dystrophy and ectrodactyly.