

Recombinant Rat Cadherin-15/CDH15 Protein (Fc Tag)

Catalog No. PKSR030263

Note: Centrifuge before opening to ensure complete recovery of vial contents.

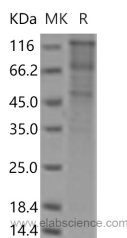
Description

Synonyms	CDH15
Species	Rat
Expression Host	HEK293 Cells
Sequence	Met1-Gly602
Accession	Q75NI5
Calculated Molecular Weight	90.6 kDa
Observed molecular weight	118 kDa
Tag	C-Fc

Properties

Purity	> 92 % as determined by reducing SDS-PAGE.
Storage	Generally, 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.

Data



Background

Cadherin-15, 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. Cadherin-15 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

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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.