

Recombinant Human Cadherin-3/CDH3 Protein (His Tag)

Catalog Number: PKSH032140

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

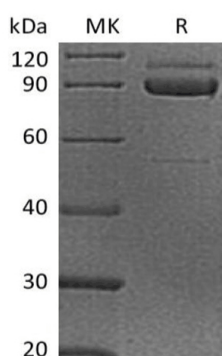
Description

Species	Human
Source	HEK293 Cells-derived Human Cadherin-3;CDH3 protein Glu25-Gly654, with an C-terminal His
Calculated MW	70.4 kDa
Observed MW	88-110 kDa
Accession	AAH41846.1
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
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 a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Cadherin-3 (CDH3) is a single-pass type I membrane protein that belongs to the cadherin superfamily. CDH3 is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region, and a highly conserved cytoplasmic tail. CDH3 is expressed in some normal epithelial tissues and in some carcinoma cell lines. CDH3 preferentially interacts with themselves in a homophilic manner in connecting cells. CDH3 is involved in loss of heterozygosity events in breast and prostate cancer. Mutations in CDH3 have been associated with congenital hypotrichosis with juvenile macular dystrophy.

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