Recombinant Human E-Cadherin/CDH1 Protein (His Tag)

Catalog Number:PKSH033437

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

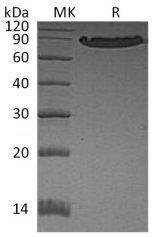
Description

Synonyms	Cadherin-1;CDH1;CAM 120/80;E-cadherin;CD324;CDHE;E-cad;E-Cadherin;ECAD;LCAM;UVO;Arc-1
Species	Human
Expression Host	HEK293 Cells
Sequence	Asp155-Ile707
Accession	P12830
Calculated Molecular Weight	61.2 kDa
Observed molecular weight	80-90 kDa
Tag	C-His

Properties

Purity	> 95 % 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℃. 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 a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 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



> 95 % as determined by reducing SDS-PAGE.

Background

E-Cadherin is a classical member of the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein composed of five extracellular cadherin repeats; a transmembrane region; and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric; breast; colorectal; thyroid; and ovarian cancers. Loss of function is thought to contribute to progression in cancer by increasing proliferation; invasion; and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells; and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. Also; E-Cadherin has a potent invasive suppressor role and it is a ligand for integrin alpha-E/beta-7.

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