

Recombinant Human CDH1 Protein (His Tag)

Catalog Number:PDEH100046



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

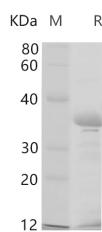
Description

Synonyms	Arc 1;CADH1;Cadherin 1;cadherin 1 type 1 E-cadherin;Cadherin1;CAM 120/80;CD 324;CD324;CD324 antigen;cdh1;CDHE;E-Cad/CTF3;E-cadherin;ECAD;Epithelial cadherin;epithelial calcium dependant adhesion protein;LCAM;Liver cell adhesion molecule;UVO;Uvomorulin
Species	Human
Expression Host	E.coli
Sequence	Asp155-Phe375
Accession	P12830-1
Calculated Molecular Weight	23.9 kDa
Observed molecular weight	35 kDa
Tag	N-His
Bioactivity	Immunogen(D-AB-10198L)

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
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. 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



> 85 % as determined by reducing SDS-PAGE.

Background

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised 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 cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The

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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.

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