Human Cadherin-3 Protein, His Tag

Catalog # CA3-H52H3

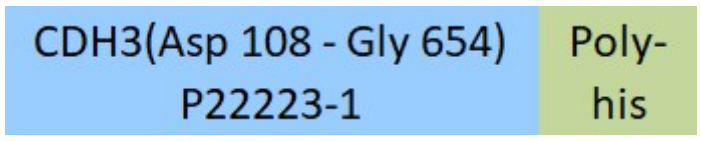
Synonym

CDH3,CDHP,Cadherin-3,P-cadherin

Source

Human Cadherin-3, His Tag(CA3-H52H3) is expressed from human 293 cells (HEK293). It contains AA Asp 108 - Gly 654 (Accession # P22223-1). Predicted N-terminus: Asp 108

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 61.9 kDa. The protein migrates as 65-70 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

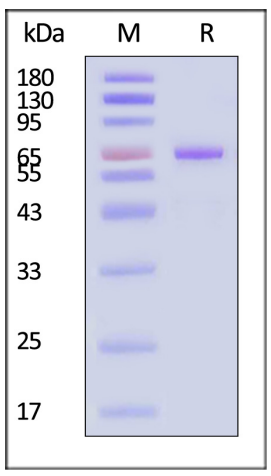
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

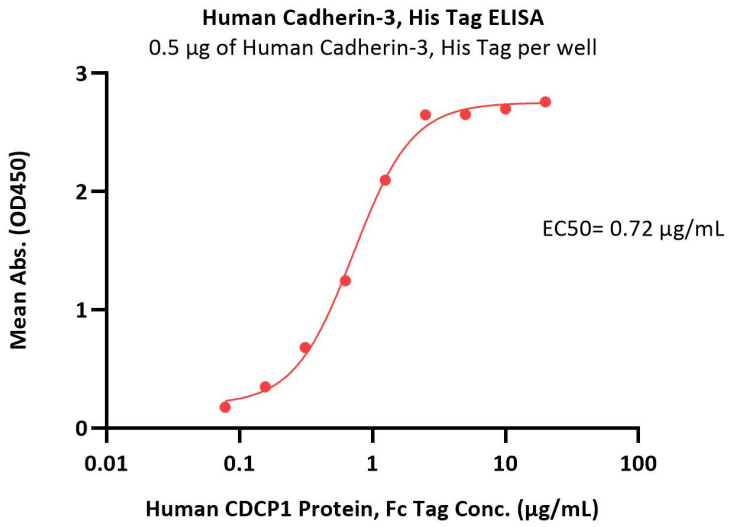
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Cadherin-3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

Bioactivity-ELISA



Immobilized Human Cadherin-3, His Tag (Cat. No. CA3-H52H3) at 5 μg/mL (100 μL/well) can bind Human CDCP1 Protein, Fc Tag (Cat. No. CD1-H5254) with a linear range of 0.078-2.5 μg/mL (QC tested).

Background

Cadherin-3 （also known as P-cadherin）is a classical cell-to-cell adhesion molecule with a homeostatic function in several normal tissues. In humans, cadherin-3 is only detected in a few organs. However, its overexpression is strongly associated with a poor prognosis in some solid tumors including breast, lung and pancreatic cancers.