

Human Cadherin-3 Protein, Fc Tag (MALs verified)

Catalog # CA3-H5253



Synonyms

CDH3, CDHP, Cadherin-3, P-cadherin

Source

Human Cadherin-3 Protein, Fc Tag (CA3-H5253) is expressed from human 293 cells (HEK293). It contains AA Asp 108 - Gly 654 (Accession # [P22223-1](#)).

Molecular Characterization

Cadherin-3(Asp 108 - Gly 654) P22223-1	Fc(Pro 100 - Lys 330) P01857-1
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 86.6 kDa. The protein migrates as 50 kDa,75 kDa and 95-130 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.

Shipping and Storage

This product is shipped at ambient temperature.

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

Please avoid repeated freeze-thaw cycles.

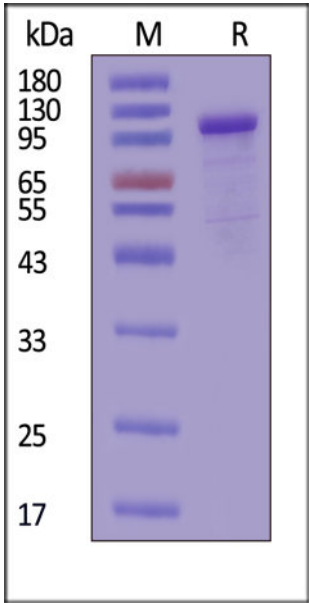
This product is stable after storage at:

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

ACRO Quality Management System

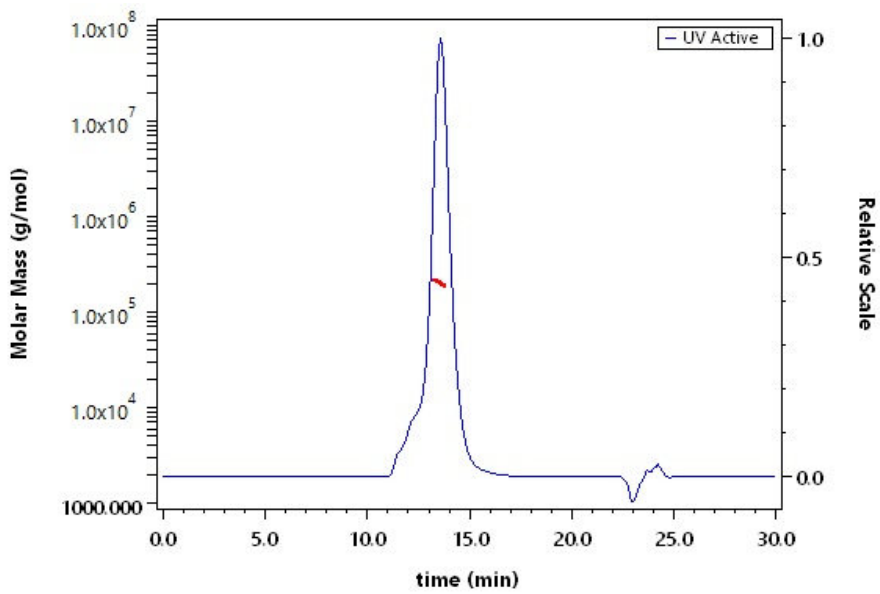
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Human Cadherin-3 Protein, Fc 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](#)).

SEC-MALS



The purity of Human Cadherin-3 Protein, Fc Tag (Cat. No. CA3-H5253) is more than 85% and the molecular weight of this protein is around 180-220 kDa verified by SEC-MALS.

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.



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