

# Human CDH3/Cadherin 3 Protein, Ultra Low Endotoxin

Cat. No. CDH-HM103-UL

## Description

<b>Source</b>	Recombinant Human CDH3/Cadherin 3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp108-Gly654.
<b>Accession</b>	P22223-1
<b>Molecular Weight</b>	The protein has a predicted MW of 61.11 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 90% as determined by Bis-Tris PAGE

## Formulation and Storage

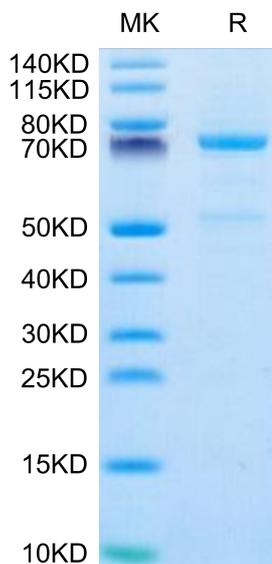
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Placental-Cadherin (CDH3), a cell adhesion molecule, is associated with the function of cells to bind with other cells and the extracellular matrix (ECM). CDH3 is highly expressed in many malignancies, and has been proved it could be a serum marker to monitor colorectal cancer. Inhibited CDH3 expression could upregulate E-cadherin, downregulated N-cadherin, which may control invasion and migration.

## Assay Data

### Bis-Tris PAGE



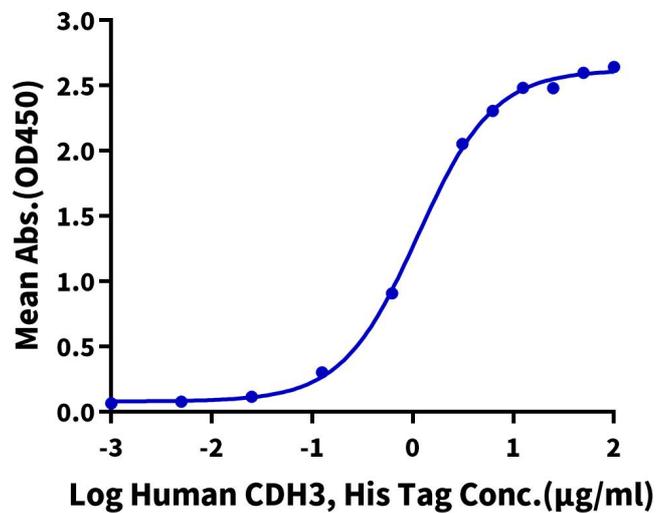
Human CDH3 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

### ELISA Data

Assay Data

### Human CDH3, His Tag ELISA

0.2µg Anti-CDH3 Antibody, hFc Tag Per Well



Immobilized Anti-CDH3 Antibody, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human CDH3, His Tag with the EC50 of 1.12µg/ml determined by ELISA (QC Test).