# Human CDH6/Cadherin-6 Protein

**Cat. No.** CHD-HM106

## Description

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|---|---|
| **Source** | Recombinant Human CDH6/Cadherin-6 Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Thr19-Ala615. |
| **Accession** | P55285-1 |
| **Molecular Weight** | The protein has a predicted MW of 67.48 kDa. Due to glycosylation, the protein migrates to 75-95 kDa based on Tris-Bis PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Tris-Bis PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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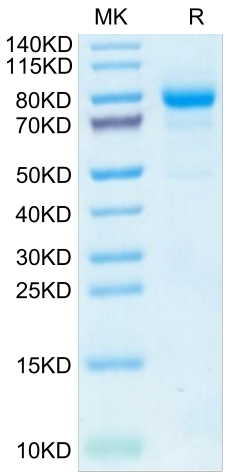
|---|---|
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Cadherin 6 (CDH6) is an adhesion molecule localizing to the endometrial luminal epithelial cell surface in the mid-secretory/receptive phase and knockdown of CDH6 in the Ishikawa cells (receptive endometrial epithelial cell line) compromises cell integrity.

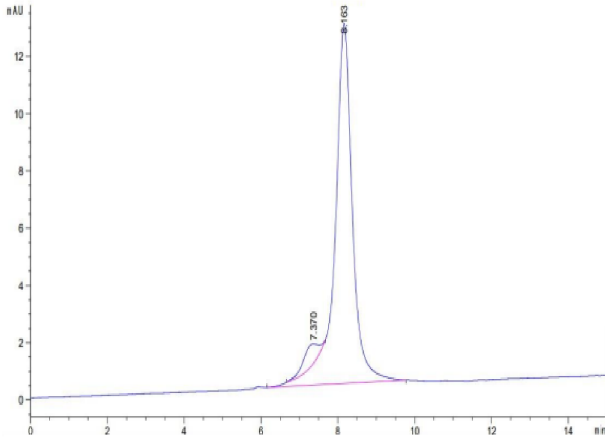
## Assay Data

### Tris-Bis PAGE




Human CDH6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC




The purity of Human CDH6 is greater than 95% as determined by SEC-HPLC.

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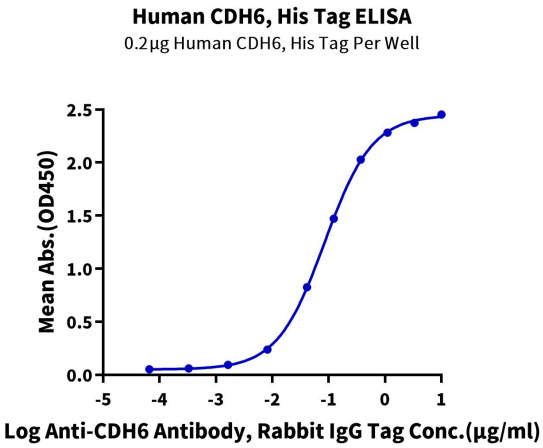
## Assay Data

### ELISA Data




Immobilized Human CDH6, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-CDH6 Antibody, Rabbit IgG Tag with the EC50 of 85.1ng/ml determined by ELISA.