

Human CDH6/Cadherin 6 Protein, Ultra Low Endotoxin

Cat. No. CHD-HM106-UL

Description

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 Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 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

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.

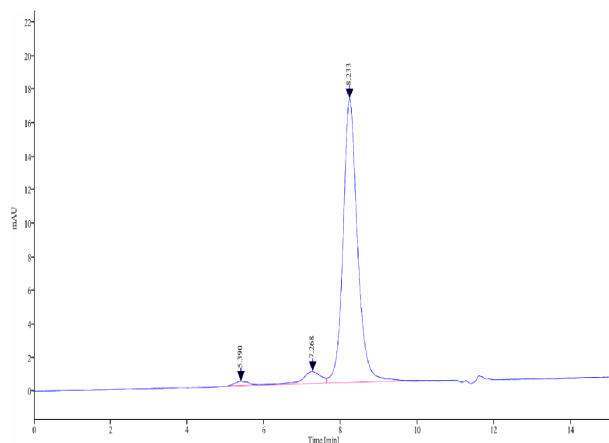
Assay Data

Bis-Tris PAGE



Human CDH6 on Bis-Tris PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



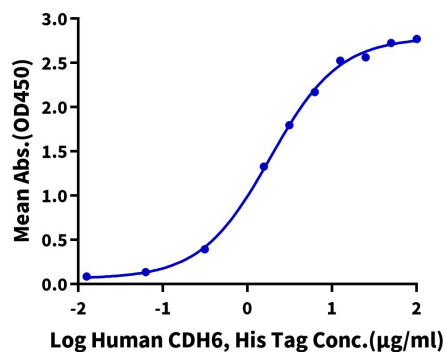
The purity of Human CDH6 is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

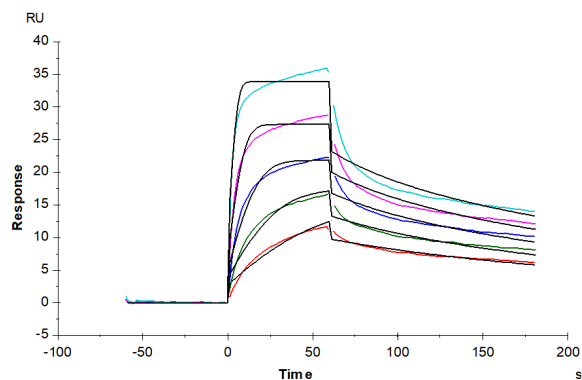
Human CDH6, His Tag ELISA

0.5µg Anti-CDH6 Antibody, hFc Tag Per Well



Immobilized Anti-CDH6 antibody, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human CDH6, His Tag with the EC50 of 1.85µg/ml determined by ELISA (QC Test).

SPR Data



Human CDH6, His Tag captured on CM5 Chip via Anti-His Antibody can bind Anti-CDH6 Antibody with an affinity constant of 1.41 nM as determined in SPR assay (Biacore T200).