

Rat CDH6/Cadherin 6 Protein

Cat. No. CDH-RM106

| Description | |
|------------------|---|
| Source | Recombinant Rat CDH6/Cadherin 6 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Thr19-Ala615. |
| Accession | P55280 |
| Molecular Weight | The protein has a predicted MW of 68.04 kDa. Due to glycosylation, the protein migrates to 85-95 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 85% as determined by HPLC |

Formulation and Storage

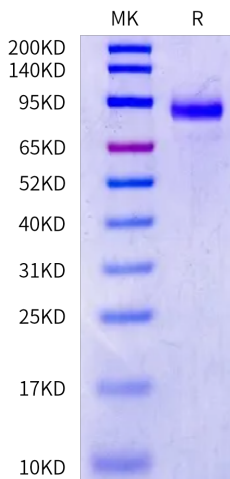
| | |
|-------------|--|
| Formulation | Supplied as 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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.

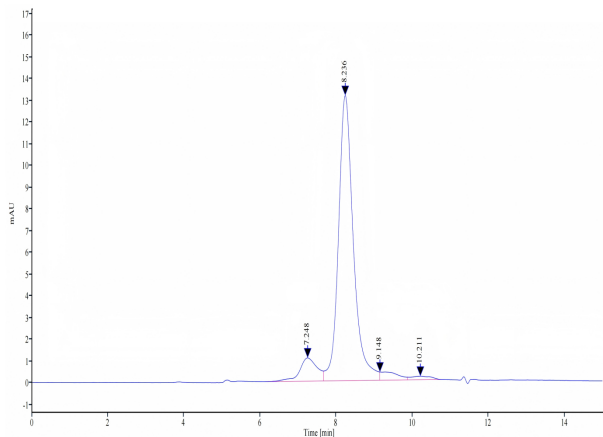
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



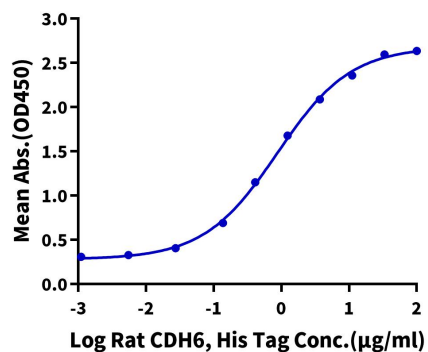
The purity of Rat CDH6 is greater than 85% as determined by SEC-HPLC.

Assay Data

ELISA Data

Rat 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 Rat CDH6, His Tag with the EC50 of 0.87µg/ml determined by ELISA.