Human CDH6/Cadherin 6 EC3 Domain Protein

Cat. No. CDH-HM1E3

Description

Source	Recombinant Human CDH6/Cadherin 6 EC3 Domain Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Pro269-Phe383.
Accession	P55285-1
Molecular Weight	The protein has a predicted MW of 14.44 kDa. Due to glycosylation, the protein migrates to 18-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

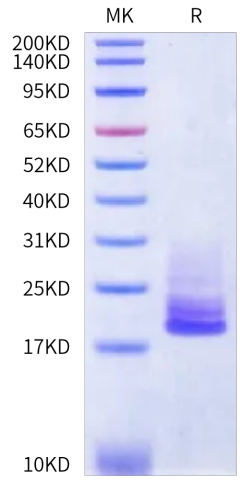
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

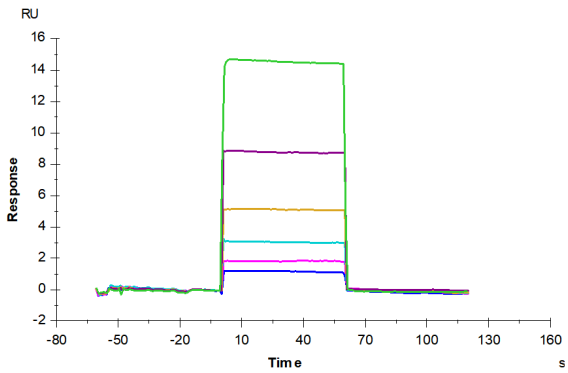
Assay Data

Bis-Tris PAGE



Human CDH6 EC3 Domain on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SPR Data



Anti-CDH6 Antibody, hFc Tag captured on CM5 Chip via Protein A can bind Human CDH6 EC3 Domain, His Tag with an affinity constant of 17.57 μM as determined in SPR assay (Biacore S200).