Genomeditech (Shanghai) Co.,Ltd.
Order: 021-68455258/50432826/50432825
Toll-free: 400 627 9288
Email: service@genomeditech.com

Human CDH6 Protein; hFc Tag

Product Information

Product Name	Human CDH6 Protein; hFc Tag
Storage temp	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	**GM-88124RP-100 / 100 μg** **GM-88124RP-1000 / 1 mg**

Protein Information

Alternative Names	CDH6, CAD6, KCAD, K-cadherin, Cadherin-6
Source	Human CDH6 Protein; hFc Tag (GM-88124RP) is expressed from human 293 cells (HEK-293). It contains AA Thr 19 – Ala 615 (Accession # P55285-1). This protein carries a human IgG1 Fc tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Predicted Mol Mass	92.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	CDH6, also known as cadherin-6 (K-cadherin, KCAD; CAD6), is a calcium-dependent cell–cell adhesion molecule in the classical cadherin family. It is a transmembrane glycoprotein with an extracellular domain of cadherin repeats, a single-pass transmembrane region, and a cytoplasmic tail that binds catenins to link to the actin cytoskeleton. CDH6 mediates homophilic calcium-dependent adhesion and contributes to tissue morphogenesis, cell sorting, and epithelial integrity. Its expression is tissue- and development-stage dependent, with roles reported in neural, renal, and reproductive tissues, among others. Besides adhesion, CDH6 participates in signaling through catenin-dependent and cadherin-associated pathways. Its intracellular domain binds β-catenin and p120-catenin, connecting cell adhesion to actin dynamics and potentially modulating Wnt/β-catenin signaling in specific contexts. CDH6 can be regulated via endocytosis and proteolytic cleavage, affecting adhesion strength and signaling cues. Dysregulated CDH6 expression or function has been linked to developmental abnormalities and certain cancers, where it may influence adhesion, migration, and invasiveness.

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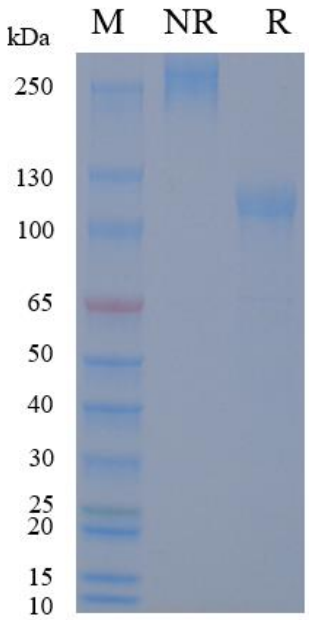
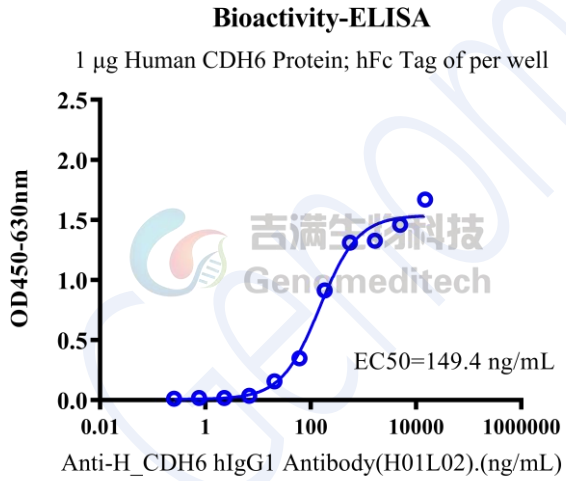
SDS-PAGE



On SDS-PAGE under nun-reducing (NR) condition and reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Human CDH6 Protein; hFc Tag (Catalog # GM-88124RP) was immobilized at 10 μg/ml (100 μL/well). Increasing concentrations of Anti-H_CDH6 hIgG1 Antibody(H01L02) (Catalog # GM-46607AB) were added.