

Active Recombinant Monkey CDH6 Protein, His-tagged

Cat. No. CDH6-11024M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus/Rhesus macaque Cadherin-6, His Tag is expressed from human 293 cells (HEK293). It contains AA Thr 22 - Gly 614 (Accession # G7MUQ7-1). In the region Thr 22 - Gly 614, the AA sequence of Cynomolgus and Rhesus macaque Cadherin-6 are homologous. This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Thr 22
Species	Monkey
Source	HEK293
ProteinLength	22-614 aa
Description	Cadherin-6 (CDH6) is also known as Kidney cadherin (K-cadherin or KCAD), is a type II classical cadherin from the cadherin superfamily. Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH6/KCAD contains five cadherin domains. CDH6 is highly expressed in brain, cerebellum, and kidney. Lung, pancreas, and gastric mucosa show a weak expression and also expressed in certain liver and kidney carcinomas.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Cynomolgus/Rhesus macaque Cadherin-6, His Tag at 1 µg/mL (100

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	μL/well) can bind Human Cadherin-6 Antibody, Mouse IgG1 with a linear range of 0.1-1 ng/mL.
Molecular Mass	The protein has a calculated MW of 67.9 kDa. The protein migrates as 80-95 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CDH6 cadherin 6 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	CDH6
Synonyms	CDH6; cadherin 6, type 2, K-cadherin (fetal kidney); cadherin-6;
Gene ID	695557
mRNA Refseq	XM_015139786

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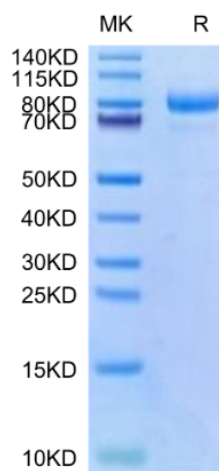
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Protein Refseq XP_014995272

UniProt ID G7MUQ7

SDS-PAGE.



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