

Active Recombinant Rat Cdh6 Protein, His-tagged

Cat. No. Cdh6-11025R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rat Cadherin-6 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Thr 19 - Ala 615 (Accession # P55280.1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Thr 19
Species	Rat
Source	HEK293
ProteinLength	19-615 aa
Description	Cadherin-6 (CDH6) is also known as Kidney cadherin (K-cadherin or KCAD), is a 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 Rat Cadherin-6 Protein, His Tag at 1 µg/mL (100 µL/well) can bind Human Cadherin-6/KCAD Antibody with a linear range of 0.06-4 ng/mL.
Molecular Mass	The protein has a calculated MW of 68.3 kDa. The protein migrates as 65-80 kDa

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	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. >90% as determined by SEC-MALS.
Storage	This product is stable after storage at: -20 to -70 centigrade for 24 months in lyophilized state; -70 centigrade for 12 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 [Rattus norvegicus]
Official Symbol	CDH6
Synonyms	CDH6; cadherin 6; cadherin-6; K-cadherin; kidney cadherin; KCAD;
Gene ID	25409
mRNA Refseq	NM_012927
Protein Refseq	NP_037059
UniProt ID	P55280

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