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Datasheet for ABIN7520244

CDH6 Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	CDH6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDH6 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human CDH6/K-Cadherin Protein
Sequence:	TLSTPLSKRT SGFPAKKRAL ELSGNSKNEL NRSKRSMWN QFFLLEEYTG SDYQYVGKLH SDQDRGDGSL KYILSGDGAG DLFIINENTG DIQATKRLDR EEKPVYILRA QAINRRTGRP VEPESEFIK IHNDINDNEPI FTKEVYTATV PEMSDVGTFV VQVTATDADD PTYGNSAKVV YSILQGQPYF SVESETGIK TALLNMDREN REYQVVIQA KDMGGQMGG LSGTTTVNITL TDVNDNPPRF PQSTYQFKTP ESSPPGTPIG RIKASDADVG ENAEIEYSIT DGEGLDMFDV ITDQETQEGI ITVKLLDFE KKKVYTLKVE ASNPYVEPRF LYLGPFKDSA TVRIVVEDVD EPPVFSKLAY ILQIREDAQI NTTIGSVTAQ DPDAARNPVK YSVDRHTDMD RIFNIDSGNG SIFTSKLLDR ETLLWHNITV IATEINNPKQ SSRVPLYIKV LDVNDNAPEF AEFYETVCE KAKADQLIQT LHAVDKDDPY SGHQFSFSLA PEAASGSNFT IQDNKDNTAG ILTRKNGYNR HEMSTYLLPV VISDNDYPVQ SSTGTVTVRV CACDHHGNMQ SCHAEALHP TGLSTGA
Specificity:	Thr19-Ala615
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered

Product Details

Endotoxin Level: <1EU/μg

Target Details

Target: CDH6

Alternative Name: CDH6/K-Cadherin ([CDH6 Products](#))

Background: Description: CDH6 is a family of calcium-dependent, cell-cell adhesion molecules that play an important morphoregulatory role in a wide variety of tissues. Alterations in cadherin function have been implicated in tumor progression in a number of adenocarcinomas. Cadherin-6 (CDH6), also known as K-cadherin (KCAD), is a type-II classic cadherin cell-cell adhesion molecules, which are expressed in graded or areal patterns, as well as layer-specific patterns, in the cortical plate. Human Cadherin-6 is synthesized as a 790 aa type I transmembrane glycoprotein that contains a 18 aa signal peptide, a 35 aa propeptide, a 562 aa extracellular region, a 21 aa transmembrane segment, and a 154 aa cytoplasmic domain. There are five cadherin domains of approximately 110 aa each in the extracellular region. Cadherin-6 is highly expressed in brain, cerebellum, and kidney, and may contribute to the formation of the segmental structure of the early brain, as well as the development of renal proximal tubules. Weak expression is also detected lung, pancreas, and gastric mucosa. Additionally, it is specifically expressed in the proximal tubule of normal kidneys and in renal cell cancer. Thus, Cadherin-6 is a new prognostic factor for renal cancer.

Name: CAD6, KCAD,CDH6,KCAD

Gene ID: 1004

UniProt: [P55285-1](#)

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 %

Handling

	Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.