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Datasheet for ABIN1096176

CDH6 Protein (AA 22-615) (His tag)

Overview

Quantity:	50 µg
Target:	CDH6
Protein Characteristics:	AA 22-615
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDH6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cadherin-6/K-Cadherin/CDH6 (C-6His)
Sequence:	<p>TPLSKRTSGF PAKKRALELS GNSKNELNRS KRSWMWNQFF LLEEYTGSDY QYVGKLHSDQ DRGDGSLKYI LSGDGAGDLF IINENTGDIQ ATKRLDREK PVYILRAQAI NRRTGRPVEP ESEFIIKIHNDNEPIFTK EVYTATVPEDSDVGTFVVQV TATDADDPTY GNSAKVVYSI LQQQPYFSVE SETGIIKTAL LNMDRENREQ YQVVIQAKDM GGQMGGLSGT TTVNITLTDV NDNPPRFPQS TYQFKTPRESS PPGTPIGRIK ASDADVGENA EIEYSITDGE GLDMFDVITD QETQEGIITV KLLDFEKKK VYTLKVEASN PYVEPRFLYL GPFKDSATVR IVEDVDPEPP VFSKLAYILQ IREDAQINTT IGSVTAQDPD AARNPVKYSV DRHTDMDRIF NIDSGNGSIF TSKLLDRETL LWHNITVIAT EINNPKQSSR VPLYIKVLDV NDNAPEFAEF YETFVCEKAK ADQLIQLTSHA VDKDDPYSGH QFSFSLAPEA ASGSNFTIQD NKDNTAGILT RKNNGYNRHEM STYLLPVVIS DNDYPVQSST GTVTVRVCAC DHHGNMQSCH AEALIHPTGL STGAVDHHHH HH</p>
Characteristics:	Recombinant Human Cadherin-6/K-Cadherin/CDH6 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	CDH6
Alternative Name:	Cadherin-6 (CDH6 Products)
Background:	<p>Recombinant Human Cadherin-6 produced by transfected human cells is a secreted protein with sequence (Ser54-Ala615) of Human CDH6 fused with a polyhistidine tag at the C-terminus.</p> <p>Cadherin-6 (CDH6) 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 has high expression in kidney, brain, and cerebellum, 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 in lung, pancreas, gastric mucosa and cytotrophoblasts. As a classic cadherin, Cadherin-6 will form homodimers and promote intercellular adhesion with itself and, possibly, Cadherin-9 and -14.</p>
Molecular Weight:	67.43 kDa
UniProt:	P55285
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

Handling

Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>