

32-7388: Recombinant Human Cadherin-6/K-Cadherin/CDH6 (C-6His)

Gene : CDH6
Gene ID : 1004
Uniprot ID : P55285

Description

Source: Human Cells.
MW :67.43kD.

Recombinant Human Cadherin-6 is produced by our Mammalian expression system and the target gene encoding Thr22-Ala615 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : TPLSKRTSGFPAKKRALELSGNSKNELNRSKRSMWNQFFLLEEYTGSDYQYVGLHSDQDRGDGSLKYILSG DGAGDLFIINENTGDIQATKRLDREKPVYILRAQAINRRRTGRPVPESEFIIKIHNDNEPIFTKEVYTATVPEMS DVGTFVVQVTATDADDPTYGNSAKVVYSILQGQPYFSVESETGIIKTALLNMDRENREYQVVIQAKDMGGQM GGLSGTTT VNITLTDVNDNPPRFQSTYQFKTPESSPPGTPIGRIKASDADVGENAEIEYSITDGEGLDMFDVITD QETQEGII TVKLLDFEKKKVYTLKVEASNPYVEPRFLYLGPFKDSATVRIVVEDVDEPPVFSKLAYILQIREDAQIN TTIGSVTAQDPDAARNPVKYSVDRHTMDRIFNIDSGNGSIFTSKLLDRETLWLNITVIATEINNPKQSSRVPLY IKVLDVNDNAPEFAEFYETFVCEKAKADQLIQLTHAVDKDDPYSGHQFSFLAPEAASGSNFTIQDNKDNTAGIL TRKNGYNRHEMSTYLLPVVISDNDYPVQSSTGTVTVRVCACDHHGMMQSCHAEALIHPTGLSTGAVDHHHHH H

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.