

### 32-9688: Recombinant Human Cadherin-6/K-Cadherin/CDH6 (C-Fc)

**Alternative Name :** Cadherin-6, Kidney Cadherin, K-Cadherin, CDH6

#### Description

Source : Human Cells;

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 :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Amino Acid :** Recombinant Human Cadherin-6 is produced by our Mammalian expression system and the target gene encoding Thr19-Ala615 is expressed with a Fc tag at the C-terminus.