

## Product datasheet for **TP727956**

### **K Cadherin (CDH6) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human Cadherin-6/K-Cadherin/CDH6 (C-Fc)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	Thr19-Ala615
<b>Tag:</b>	C-Fc
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Note:</b>	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.
<b>Storage:</b>	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.
<b>Stability:</b>	12 months from date of despatch
<b>Locus ID:</b>	1004
<b>UniProt ID:</b>	<a href="#">P55285</a>
<b>Synonyms:</b>	Cadherin-6; Kidney Cadherin; K-Cadherin; CDH6
<b>Summary:</b>	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.
<b>Protein Families:</b>	Transmembrane



[View online »](#)