

## 32-7523: Recombinant Human Cadherin-9/CDH9 (C-6His)(Discontinued)

**Gene :** CDH9  
**Gene ID :** 1007  
**Uniprot ID :** Q9ULB4

### Description

Source: Human Cells.  
MW :67.24kD.

Recombinant Human Cadherin-9 is produced by our Mammalian expression system and the target gene encoding Ile22-Ala615 is expressed with a 6His tag at the C-terminus. Cadherins, named for calcium-dependent adhesion, are a class of type-1 transmembrane proteins that are calcium dependent cell adhesion proteins. The Cadherin superfamily includes cadherins, protocadherins, desmogleins, and desmocollins, and more. In structure, Cadherins share cadherin repeats, which are the extracellular Ca<sup>2+</sup>-binding domains. Cadherin-9, so far only described in the neural system, was identified as a reliable surface marker for renal fibroblasts. Cadherin-9 represents a novel and reliable cell surface marker for fibroblasts in healthy and diseased kidneys. Together with the established marker molecules FSP1, CD45 and a smooth muscle actin, Cadherin-9 can now be used to differentiate the heterogenic pool of renal fibroblasts into resident and activated fibroblasts, immigrated bone marrow derived fibroblast precursors and cells in different stages of epithelial mesenchymal transition.

### 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 :** ILLQEKPNSYLSSKKIVGLTKDDGKMLRRTKRGWMWNQFFLLEEYTGTDQYVGKLHTDQDKGDGNLKYILTG DGAGSLFVIDENTGDIHAACKLDREKSLYLRAKAIDRKTGRQVEPESEFIKIHDINDNEPKFTKDLYTASVPESGVTSGVIQVTATDADDANYGNSAKVVYSILQGQPYFSVDPESGIIKTALPDMSRENREYQVVIQAKDMGGQ MGGLSGTTTNNITLTDVNNNPPRFPQSTYQFNPSVPLGTHLGRIKANDPDVGENAEMEYSIAEGDGADMFD VITDKDTQEGIITVKQNLDNFENQMLYTLRVDA SNTHPDPRFLHLPFKDTAVVKISVEDIDEPPVFTKVSYLEVD EDVKEGSIIGQVTAYDPDARNNLIKYSVDRHTDMDRIFGIHSENGSIFTLKALDRESSPWHNITVTATEINNPKQS SHIPVFIRILDINDHAPEFAMYYETFCENAKPGQLIQTVSVMKDPPRGHKFFEPVPEFTLNPFTIVDNKDN TAGIMTRKDGYSRNMSTYLLPILIFDNDYPIQSSTGTLTIRVCACDNQGNMQSCTAEALILSAGLSTGAVDHHH HHH

### 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 ddH<sub>2</sub>O. 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.