

## 32-7737: Recombinant Human Chondroadherin/CHAD (C-6His)(Discontinued)

**Gene :** CHAD  
**Gene ID :** 1101  
**Uniprot ID :** O15335

### Description

Source: Human Cells.  
MW :39.3kD.

Recombinant Human Chondroadherin is produced by our Mammalian expression system and the target gene encoding Cys23-His359 is expressed with a 6His tag at the C-terminus. Chondroadherin is a secreted protein that belongs to the small leucine-rich proteoglycan (SLRP) family of SLRP class IV subfamily. Chondroadherin contains one LRRCT domain, one LRRNT domain, and nine LRR (leucine-rich) repeats. It presents in chondrocytes at all ages. Chondroadherin is initially found as a 36-kD matrix protein isolated from bovine cartilage. It is shown to mediate chondrocyte-matrix interactions. Chondroadherin promotes attachment of chondrocytes, fibroblasts, and osteoblasts. This binding is mediated (at least for chondrocytes and fibroblasts) by the integrin  $\alpha 2$   $\beta 1$ . Chondroadherin may play an important role in the regulation of chondrocyte growth and proliferation.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**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 :** CPQNCHCHSDLQHVICDKVGLQKIPKVESEKTKLLNLQRNNFPVLAANSFRAMPNLVSLHLQHCQIREVAAGAFR  
GLKQLIYLYLSHNDIRVLRAGAFDDLTELTYLYLDHNKVTTELPRGLLSPLVNLFILQLNKKIRELRAGAFQGAKD  
LRWLYLSEALSSLPQALDDVENLAKFHVDRNQLSSYPSAALSCLRVEELKLSHNPLKSIPDNFQSFGRYLE  
TLWLDNTNLEKFSDFGAFVLTLLKHVHLENNRNLQPSNFPFDSLETALTNPNPWKCTCQLRGLRRWLEAKAS  
RPDATCASPAKFKGQHIRDTDAFRSCKFPTKRSKKAGRHVDDHHHHHH

### 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  $\mu$ g/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/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.