

## 32-3376: C1QTNF3 Recombinant Protein

**Alternative Name :** Complement C1q tumor necrosis factor-related protein 3, Secretory protein CORS26, C1QTNF3, CTRP3, Cors, Corcs, CORS26, FLJ37576, Cartducin.

### Description

Source : Escherichia Coli. C1QTNF3 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 234 amino acids and having a molecular mass of 25.4 kDa. The protein contains an extra 10 aa His tag at N-terminus. The C1QTNF3 amino acid sequence is identical to UniProtKB/Swiss-Prot entry Q9BXJ4 amino acids 23-246. The C1QTNF3 is purified by proprietary chromatographic techniques. C1QTNF3 also called Cartducin is a novel angiogenic factor in the formation of neointima following angioplasty. C1QTNF3 a paralog of Acrp30 (adiponectin). C1QTNF3 is a secretory protein produced by chondrogenic precursors & proliferating chondrocytes, and belongs to a novel C1q family of proteins. Cartducin promotes the growth of mesenchymal chondroprogenitor cells & chondrosarcoma-derived chondrocytic cells in vitro. Cartducin stimulates mesenchymal chondroprogenitor cell proliferation through extracellular signal-regulated kinase and phosphatidylinositol 3-kinase/Akt pathways. C1QTNF3 promotes proliferation & the migration of endothelial cells.

### Product Info

**Amount :** 10 µg  
**Purification :** The purity of C1QTNF3 is greater than 95% as determined by SDS PAGE.  
**Content :** Human C1QTNF3 was filtered (0.4µm) and lyophilized in 0.5 mg/ml in 0.05M Acetate buffer pH4.  
**Storage condition :** Store lyophilized C1QTNF3 at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted C1QTNF3 can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.  
**Amino Acid :** MKHHHHHHAS QDEYMESPQT GGLPPDCSKC CHGDYSFRGY QGPPGPPGPP GIPGNHGNGG  
NNGATGHEGA KGEKGDKGDL GPRGERGQHG PKGEKGYPGI PPELQIAFMA SLATHFSNQNG SGIIFSSVET  
NIGNFFDVMT GRFGAPVSGV YFFTFSSMMKH EDVEEVVYVL MHNGNTVFSM YSYEMKGKSD  
TSSNHA VLKL AKGDEVWLRM GNGALHGDHQ RFSTFAGFLFETK.

### Application Note

It is recommended to add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of the protein is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

