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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 GIPGNHGNNG NNGATGHEGA KGEKGDKGDL GPRGERGQHG PKGEKGYPGI PPELQIAFMA SLATHFSNQN SGIIFSSVET NIGNFFDVMT GRFGAPVSGV YFFTFSMMKH EDVEEVYVYL MHNGNTVFSM YSYEMKGKSD TSSNHAVLKL AKGDEVWLRM GNGALHGDHQ RFSTFAGFLLFETK.

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.