9051 Mira Mesa Blvd, #910094
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C1QTNF3 Human

Complement C1q Tumor Necrosis Factor-Related Protein 3 Human Recombinant RCP0269

Product Overview

Name	C1QTNF3 Human
Description	
Complement C1q Tumor Necrosis Factor-Related Protein 3 Human Recombinant	
Accession (Primary)	Q9BXJ4
Synonyms	
Complement C1q tumor necrosis factor-related protein 3, Secretory protein CORS26, C1QTNF3, CTRP3, Cors, Corcs, CORS26, FLJ37576, Cartducin.	
Introduction	
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.	
Source	
Escherichia Coli.	
Formulation	
Human C1QTNF3 was filtered (0.4 µm) and lyophilized in 0.5 mg/ml in 0.05M Acetate buffer pH4.	
Stability	
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.	
Purity	
The purity of C1QTNF3 is greater than 95% as determined by SDS PAGE.	
Amino acid sequence	
MKHHHHHHAS QDEYMESPQT GGLPPDCSKC CHGDYSFRGY QGPPGPPGPP GIPGNHGNNG NNGATGHEGA KGEKGDKGDL GPRGERGQHG PKGEKGYPGI PPELQIAFMA SLATHFSNQN SGIIFSSVET NIGNFFDVMT GRFGAPVSGV YFFTFSMMKH EDVEEVYVYL MHNGNTVFSM YSYEMKGKSD TSSNHAVLKL AKGDEVWLRM	

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GNGALHGDHQ RFSTFAGFLLFETK.

Solubility

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 10 µg/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.

Precautions

C1QTNF3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BXJ4)