



Product Datasheet

Product Name	Complement C1q Tumor Necrosis Factor-Related Protein 3 Human Recombinant
Cata No	CB501509
Source	<i>Escherichia Coli</i> .
Synonyms	Complement C1q tumor necrosis factor-related protein 3, Secretory protein CORS26, C1QTNF3, CTRP3, Cors, Corcs, CORS26, FLJ37576, Cartducin.

Description

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. 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. C1QTNF3 contains an extra His tag at N-terminus. C1QTNF3's amino acid sequence is identical to UniProtKB/Swiss-Prot entry Q9BXJ4 amino acids 23–246. The C1QTNF3 is purified by proprietary chromatographic techniques.

Purity

The purity of C1QTNF3 is greater than 95% as determined by SDS PAGE.

Formulation

Human C1QTNF3 was lyophilized from PBS, pH 7.5.

Reconstitution

Add deionized H₂O to a working volume of 0.5mg/ml and let the lyophilized pellet of C1QTNF3 dissolve completely.

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. The lyophilized C1QTNF3 remains stable until the expiry date when stored at -20°C.

Sequence

MKHHHHHHAS QDEYMESPQT GGLPPDCSKC
CHGDYSFRGY QGPPGPPGPP GIPGNHGNNG
NNGATGHEGA KGEKGDKGD L GPRGERGQHG
PKGEKGYPGI PPELQIAFMA SLATHFSNQN
SGIIFSSVET NIGNFFDVM T GRFGAPVSGV
YFFTFMMKH EDVEEVVYL MHNGNTVFSM
YSYEMKGKSD TSSNHAVLKL AKGDEWLRM
GNGALHGDHQ RFSTFAGLLFETK.

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