9051 Mira Mesa Blvd, #910094
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C1QTNF5 Human

Complement C1q Tumor Necrosis Factor-Related Protein 5 Human Recombinant RCP0270

Product Overview

Name	C1QTNF5 Human
Description	
Complement C1q Tumor Necrosis Factor-Related Protein 5 Human Recombinant	
Accession (Primary)	Q9BXJ0
Synonyms	
CTRP5, MFRP.	
Introduction	
Complement C1q Tumor Necrosis Factor-Related Protein 5 (C1QTNF5) encodes a short-chain collagen which is expressed mainly in sub-retinal pigment epithelium, ciliary epithelium and adipose tissue. C1QTNF5 is increased in mtDNA-depleted myocytes and stimulates the phosphorylation of AMP activated protein kinase. C1QTNF5 takespart in the adhesion of the retinal pigment epithelium (RPE) to the Bruch Membrane. Mutations in C1QTNF5 have been associated with late-onset retinal degeneration.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The C1QTNF5 protein solution (0.25 mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.5) containing 30% glycerol and 0.2M NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSHM SPPLD DNKIPSLCPG HPGLPGTPGH HGSQGLPGRD GRDGRDGAPG APGEKGEGGR PGLPGPRGDP GPRGEAGPAG PTGPAGECSV PPRSAFSAKR SESRVPPPSD APLPFDRVLV NEQGHYDAVT GKFTCQVPGV YYFAVHATVY RASLQFDLVK NGESIASFFQ FFGGWPKPAS LSGGAMVRLE	

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PEDQVWVQVG VGDYIGIYAS IKTDSTFSGF LVYSDWHSSP VFA.

Precautions

C1QTNF5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BXJ0)