Datasheet for ABIN7596352

CTRP5 Protein (AA 16-243) (His tag)

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Overview

Quantity:	100 µg
Target:	CTRP5 (C1QTNF5)
Protein Characteristics:	AA 16-243
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTRP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMSPPLD DNKIPSLCPG HPGLPGTPGH HGSQGLPGRD GRDGRDGAPG APGEKGEGGR PGLPGPRGDP GPRGEAGPAG PTGPAGECSV PPRSAFSAKR SESRVPPPSD APLPFDRVLV NEQGHYDAVT GKFTCQVPGV YYFAVHATVY RASLQFDLVK NGESIASFFQ FFGGWPKPAS LSGGAMVRLE PEDQVWVQVG VGDYIGIYAS IKTDSTFSGF LVYSDWHSSP VFA
Purity:	> 85% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CTRP5 (C1QTNF5)
Alternative Name:	CTRP5/C1qTNF5 (C1QTNF5 Products)

Target Details

Background:	CTRP5, also known as Complement C1q tumor necrosis factor-related protein 5, encodes a short-chain collagen which is strongly expressed in sub-retinal pigment epithelium (sub-RPE), ciliary epithelium and adipose tissue. CTRP5 is increased in mtDNA-depleted myocytes and that it stimulates the phosphorylation of AMP activated protein kinase. CTRP5 plays an important role in the adhesion of the retinal pigment epithelium (RPE) to the Bruch Membrane, and mutations are thought to impair the adhesion, resulting in sub-RPE deposits. Recombinant human CTRP5, fused to His-tag at N-terminals, was expressed in E. coli and purified by conventional chromatography techniques.
Molecular Weight:	26.4 kDa (253aa) confirmed by MALDI-TOF
NCBI Accession:	NP_001265360

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.