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Datasheet for ABIN1344303
CTRP5 Protein (AA 16-243) (His tag)

Overview

Quantity:	10 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

Cross-Reactivity:	Human
Characteristics:	Human CTRP5 (aa 16-243) is fused at the N-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	CTRP5 (C1QTNF5)
Alternative Name:	CTRP5 (C1QTNF5 Products)
Background:	CTRP5 (C1qTNF-related protein 5, C1QTNF5) belongs to a highly conserved family of

Target Details

adiponectin paralogs. CTRP5 mediates activation of AMP-activated protein kinase (AMPK) in muscle and liver cells, thereby regulating glucose and lipid metabolism. Serum levels of CTRP5 are significantly higher in obese/diabetic animal models compared to normal controls. Furthermore, CTRP5 may be a putative biomarker for mitochondrial dysfunction. Defects in C1QTNF5 are a cause of late-onset retinal degeneration (LORD).

Molecular Weight: ~26kDa (SDS-PAGE)

UniProt: [Q9BXJ0](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in distilled water.

Concentration: Lot specific

Buffer: Lyophilized from a 0.2µm-filtered solution in 55 mM TRIS-Cl, pH 8.2, containing 150 mM NaCl.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 3 months