

Recombinant Human C1QTNF5 Protein, His-tagged

Cat. No. C1QTNF5-729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C1QTNF5 Protein is produced by E.coli expression system. This protein is fused with a His tag.
Species	Human
Source	E.coli
ProteinLength	16-243 aa
Description	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.
Form	Liquid. 20 mM Tris-HCl buffer (pH 8.5) containing 30 % glycerol, 0.2 M NaCl.
Molecular Mass	26.4 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGS H MSPPLD DNKIPSLCPG HPGLPGTPGH HGSQGLPGRD GRDGRDGAPG APGEKGEGGR PGLPGPRGDP GPRGEAGPAG

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PTGPAGECSV PPRSFAFSKR SESRVPPPSD APLPFDRVLV NEQGHYDAVT
GKFTCQVPGV YYFAVHATVY RASLQFDLVK NGESIASFFQ FFGGWPKPAS
LSGGAMVRLE PEDQVWVQVG VGDYIGIYAS IKTDSTFSGF LVYSDWHSSP VFA

Endotoxin < 1.0 EU per 1 ug of protein (determined by LAL method)

Purity > 85 % by SDS - PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name C1QTNF5 C1q and tumor necrosis factor related protein 5 [Homo sapiens]

Official Symbol C1QTNF5

Synonyms Complement C1q tumor necrosis factor-related protein 5; CTRP5; MFRP; C1QTNF5; DKFZp586B0621; LORD; FLJ30570;

Gene ID 114902

mRNA Refseq NM_015645

Protein Refseq NP_056460

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MIM	608752
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UniProt ID	Q9BXJ0
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