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 MGSHMSPPLD DNKIPSLCPG HPGLPGTPGH HGSQGLPGRD GRDGRDGAPG APGEKGEGGR PGLPGPRGDP GPRGEAGPAG

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	PTGPAGECSV PPRSAFSAKR 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
UniProt ID	Q9BXJ0

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