

Recombinant Human C1QTNF7, His-tagged

Cat. No. C1QTNF7-1357H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C1QTNF7 produced in <i>E. Coli</i> is a single, non-glycosylated, Polypeptide chain containing 283 amino acids and having a molecular mass of 30.2 kDa. The protein contains an extra 10 amino acid His tag at N-terminus. The C1QTNF7 amino acid sequence is identical to UniProtKB/Swiss-Prot entry Q9BXJ2 amino acids 17–289. The C1QTNF7 is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Protein Length	17-289 a.a.
Description	C1QTNF7 is a collagen type-IV specific for basement membranes.
Amino Acid Sequence	MKHHHHHHAS QPRGNQLKGE NYSPRYICSI PGLPGPPGPP GANGSPGPHG RIGLPGRDGR DGRKGEKGEK GTAGLRGKTG PLGLAGEKGD QGETGKKGPI GPEGEKGEVG PIGPPGPKGD RGEQGDPLP GVCRCGSIVL KSAFSVGITT SYPEERLPPI FNKVLNEGE HYNPATGKFI CAFPGIYYFS YDITLANKHL AIGLVHNGQY RIKTFDANTG NHDVASGSTV IYLQPEDEVW LEIFFTDQNG LFSDPGWADS LFSGFLLYVD TDYLDSEDEL.
Formulation	Human C1QTNF7 was lyophilized from 30mM Acetate Buffer pH-4.
Solubility	Add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately

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0.5mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Purity Greater than 95% as determined by SDS PAGE.

Stability Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C. The lyophilized protein remains stable until the expiry date when stored at -20°C.

GENE INFORMATION

Gene Name C1QTNF7 C1q and tumor necrosis factor related protein 7 [Homo sapiens]

Synonyms C1QTNF7; C1q and tumor necrosis factor related protein 7; CTRP7; ZACRP7; OTTHUMP00000122629; OTTHUMP00000159165; complement-c1q tumor necrosis factor-related protein 7; Complement C1q tumor necrosis factor-related protein 7

Gene ID 114905

mRNA Refseq NM_001135170

Protein Refseq NP_001128642

UniProt ID Q9BXJ2

Chromosome Location 4p15.3

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