Active Recombinant Human C1QL3 protein, Met/His-tagged

Cat. No. C1QL3-52H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human C1QL3 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	C1qTNF proteins constitute a highly conserved family of Acrp30/Adiponectin paralogs that share a modular organization comprising an N-terminal signal peptide, a short variable region, a collagenous domain and a C-terminal globular domain. C1qTNF proteins are predicted to have trimeric structures that assemble into hexameric and higher order molecular forms. C1qTNF3, also known as CORS26, is predominantly expressed in cartilage and is induced in mature adipocytes. C1qTNF10, also known as C1qL2, is a protein that shows 28% - 30% sequence identity with C1q subunits A, B, and C. It is predicted to contain one collagen-like and C1q domain. Mouse and human C1qTNF10 share over 90% amino acid sequence identity.
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 μm filtered solution in Tris, NaCl and TCEP.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human C1qL3 is immobilized at 1 μg/mL, 100 μL/well, the concentration of Recombinant Human BAI2 Fc Chimera that produces 50% of the optimal binding response is approximately 10-60 ng/mL.

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Molecular Mass	Predicted Molecular Mass: 16 kDa;SDS-PAGE: 14 kDa, reducing conditions.
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>85%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 500 μg/mL in water.

GENE INFORMATION

Gene Name	C1QL3 complement component 1, q subcomponent-like 3 [Homo sapiens]
Official Symbol	C1QL3
Synonyms	C1QL3; complement component 1, q subcomponent-like 3; complement C1q-like protein 3; C1ql; C1QTNF13; CTRP13; K100;
Gene ID	389941
mRNA Refseq	NM_001010908
Protein Refseq	NP_001010908
MIM	

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UniProt ID	Q5VWW1
Chromosome Location	10p13

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