

## Product datasheet for **TP761199**

### **C1QA (NM\_015991) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human complement component 1, q subcomponent, A chain (C1QA), full length, with N-terminal HIS tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length C1QA
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	25.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_057075</a>
<b>Locus ID:</b>	712
<b>UniProt ID:</b>	<a href="#">P02745</a> , <a href="#">A0A024RAG6</a>
<b>RefSeq Size:</b>	1098
<b>Cytogenetics:</b>	1p36.12
<b>RefSeq ORF:</b>	735



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**Summary:**

This gene encodes the A-chain polypeptide of serum complement subcomponent C1q, which associates with C1r and C1s to yield the first component of the serum complement system. C1q deficiency is associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains which include 6 A-chains, 6 B-chains, and 6 C-chains. Each chain contains an N-terminal collagen-like region and a C-terminal C1q globular domain. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]

**Protein Families:**

Secreted Protein

**Protein Pathways:**

Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus

**Product images:**