

## Recombin human C1QA protein

Catalog#:P05543    Derived from E.coli

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| <b>DESCRIPTION</b>     | Recombinant Human C1QA protein is produced by our E.coli expression system with His tag.<br>Uniprot: P02745<br>Gene ID: 712  |
| <b>Size</b>            | 26 KDa   |
| <b>FORMULATION</b>     | Lyophilized from a 0.2 µm filtered solution of Tris-HCl, PH 8.0.   |
| <b>SHIPPING</b>        | The product is shipped at -20°C temperature. Upon receipt, store it immediately at the temperature listed below.   |
| <b>STORAGE</b>         | Reconstituted protein solution can be stored at 4-7°C for 2-3 months, stable at < -20°C for 1-2 years.   |
| <b>RECONSTITUTION</b>  | Reconstituted protein solution can be diluted with distilled PBS.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.   |
| <b>QUALITY CONTROL</b> | (Liquid)Concentration: 1 mg/mL as determined by BCA.<br>Purity: 85% as determined by reducing SDS-PAGE.  |
| <b>AMINOACID</b>       | Recombinant protein is produced by our E.coli expression system and the target gene encoding 1-245aa is expressed with a 6*His tag at the N-terminus.  |
| <b>BACKGROUND</b>      | C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca <sup>2+</sup> -dependent C1r <sub>2</sub> C1s <sub>2</sub> proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes. |

