

## C4A recombinant protein

Recombinant Human C4A

|                               |                       |                                 |
|-------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA250147</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
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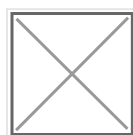
### PRODUCT SYNONYMS

C4A; Recombinant Human C4A; acidic C4; Acidic complement C4; basic C4; basic complement C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 3; C4; chido form; Rodgers form; C4-1; C4a anaphylatoxin; C4A2; C4A3; C4A4; C4A6; C4AD; C4b; C4B\_2; C4B1; C4B12; C4B2; C4B3; C4B5; C4BD; C4d; C4d fragment; C4F; C4S; CH; Chido form of C4; CO4; C4A recombinant protein

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | E Coli                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                                 | Greater than 90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format                                         | Lyophilized from a 0.2um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose, pH7.4                                                                                                                                                                                                                                                                                                              |
| Sequence Positions                                  | 1028-1336                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for C4A recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species                                             | Human                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag                                                 | N-terminal His-Tag                                                                                                                                                                                                                                                                                                                                                                                           |
| Reconstitution                                      | Centrifuge the vial prior to opening, reconstitute in sterile distilled water or buffer of interest to concentration of 0.1-1 mg/ml by gently pipetting 2-3 times, do not vortex.                                                                                                                                                                                                                            |
| Preparation and Storage                             | The lyophilized protein is stable at -20°C for up to 1 year, the protein solution can be stored at 2°C to 8°C for up to 1 week under sterile condition.<br>For extended storage, it is recommended to further dilute in a buffer containing 0.1% BSA (make sure BSA will NOT interfere with your experiment) and store in working aliquots at -20°C to -80°C for 6 months. Avoid repeated freeze/thaw cycle. |

### IMAGES



SDS-PAGE

### NCBI AND UNIPROT INFORMATION

|                           |                                                                                                |
|---------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                 | 67190748                                                                                       |
| NCBI GeneID               | 720                                                                                            |
| NCBI Accession #          | NP_009224.2                                                                                    |
| NCBI GenBank Nucleotide # | NM_007293.2                                                                                    |
| UniProt Accession #       | POC0L4; P01028; P78445; Q13160; Q13906; A6H8M8; A6NHJ5; A7E2V2; B0QZR6; B0V2C8; B2RUT6; B7ZVZ6 |
| Molecular Weight          | 35.1 kDa under reducing conditions                                                             |

|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Full Name          | complement C4-A isoform 1 preproprotein                                                                                                                    |
| NCBI Official Synonym Full Names | complement component 4A (Rodgers blood group)                                                                                                              |
| NCBI Official Symbol             | C4A                                                                                                                                                        |
| NCBI Official Synonym Symbols    | C4; RG; C4S; CO4; C4A2; C4A3; C4A4; C4A6; C4AD; CPAMD2                                                                                                     |
| NCBI Protein Information         | complement C4-A; acidic C4; C4A anaphylatoxin; Rodgers form of C4; acidic complement C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2 |
| UniProt Protein Name             | Complement C4-A                                                                                                                                            |
| UniProt Gene Name                | <b>C4A</b>                                                                                                                                                 |
| UniProt Synonym Gene Names       | CO4; CPAMD2                                                                                                                                                |
| UniProt Entry Name               | CO4A_HUMAN                                                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/c4a-recombinant-protein-e-coli-sds-page/250147>