

Recombinant Human C4A protein, T7/His-tagged

Cat. No. C4A-188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human C4 gamma domain cDNA (1454 – 1744 aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1454-1744 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, Sucrose and DTT.
AA Sequence	MASMTGGGQQMGRGHHHHHHGNLYFQGGEFEAPKVVEEQESRVHYTVCIWRNGK VGLSGMAIADVTLLSGFHALRA DLEKLTSLSDRYVSHFETEGPHVLLYFDSVPTSRE CVGFQAVQEVVGLVQPASATLYDYNNPERRCSVFYGAPS KSRLATLCSAEVCQ CAEGKCPRQRRALERGLQDEDDGYRMKFACYYPVVEYGFQVKVLREDSRAAFRLFE TKITQ VLHFTKDVKAAANQMRNFLVRASCRLRLEPGKEYLIMGLDGATYDLEGHPQ YLLDSNSWIEEMPSERLCRSTRQR AACAAQLNDFLQEYGTQGCQV
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro human complement C4d mediated cancer cell resistant to complement-mediated damage pathway regulation study by using this protein as coating matrix protein or soluble factor.2. May be used for protein-protein interaction assay.3. Potential Diagnostic biomarker protein for tumors, such as lung cancer.4. As

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

antigen for specific antibody production.

Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION
Gene Name

C4A complement component 4A (Rodgers blood group) [Homo sapiens]

Official Symbol

C4A

Synonyms

C4A; complement component 4A (Rodgers blood group); complement component 4A; complement C4-A; C4; C4A2; C4A3; C4A4; C4A6; C4B; C4S; CO4; CPAMD2; RG; acidic C4; C4A anaphylatoxin; Rodgers form of C4; acidic complement C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2; C4AD; MGC164979;

Gene ID

720

mRNA Refseq

NM_001252204

Protein Refseq

NP_001239133

MIM

120810

UniProt ID

P0C0L4

**Chromosome
Location**

6p21.3

Pathway

Activation of C3 and C5, organism-specific biosystem; Complement Activation, Classical Pathway, organism-specific biosystem; Complement and coagulation

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem;

Function

endopeptidase inhibitor activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA