

## Recombinant Human C4A protein, T7/His-tagged

Cat. No. C4A-98H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human C4d domain cDNA (957 – 1336 aa), fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	957-1336 a.a.
<b>Form</b>	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose, DTT.
<b>AA Sequence</b>	MASMTGGQQMGRGRHHHHHGNLYFQGGFTLEIPGNSDPNMIPDGFNSYVRVT ASDPLDTLGSEGALSPGGVAS LLRLPRGCGEQTMIYLAPTLAASRYLDKTEQWSTL PPETKDHAVDLIQKGYMRIQQFRKADGSYAAWLSRDSSTW LTAFLVKVLSLAQEQQV GGSPEKLQETSNWLLSQQQADGSFQDPCPVLDRSMQGGGLVGNDETVALTAFVTIA LHHG LAVFQDEGAEPLKQRVEASISKANSFLGEKASAGLLGAHAAAITAYALTLTKA PVDLLGVAHNNLMAMAQETGDN LYWGSVTGSQSNAVSPTPAPRNPSDPMPQAPA LWIETTAYALLHLLHEGKAEMADQASAWLTRQGSFQGGFRST QDTVIALDALSAY WIASHTTEERGLNVTLSSTGR
<b>Purity</b>	>90% by SDS-PAGE
<b>Applications</b>	1. May be used for in vitro human C4d mediated cancer cell resistant to complement-mediated damage pathway regulation study with this protein as either coating matrix

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protein or soluble factor.2. May be used for protein-protein interaction assay.3. As potential diagnostic biomarker for tumors, such as lung cancer.4. As antigen for specific antibody production.

**Storage**

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 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-macroglobu

**Gene ID** 720

**mRNA Refseq** NM\_001252204

**Protein Refseq** NP\_001239133

**MIM** 120810

**UniProt ID** P0C0L4

**Chromosome Location** 6p21.3

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**Pathway**

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

**Function**

endopeptidase inhibitor activity;

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