

Recombinant Human C4A protein, T7/His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	957-1336 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose, DTT.
AA Sequence	MASMTGGQQMGRGRHHHHHHGNLYFQGGEFTLEIPGNSDPNMIPDGDfNSYVRVT ASDPLDTLGSEGALSPGGVAS LLRLPRGCGEQTMIYLAPTLAASRYLDKTEQWSTL PPETKDHAVDLIQKGYMRIQQFRKADGSYAALSRDSSTW LTAFVLKVLSLAQEQV GGSPEKLQETSNWLLSQQQADGSFQDPCPVLD RSMQGGVLGNDETVALTAFVTIA LHHG LAVFQDEGAELKQRVEASISKANSFLGEKASAGLLGAHAAAITAYALTTLKA PVDLLGVAHNNLMAMAQETGDN LYWGSVTGSQSNAVSPTPAPRNPSPDPMPQAPA LWIETTAYALLHLLHEGKAEMADQASAWLTRQGSFQGGFRST QDTVIALDALSA Y WIASHTTEERGLNVTLSSTGR
Purity	>90% by SDS-PAGE
Applications	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

 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

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

 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

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;

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