

Native Human C4A

Cat. No. C4A-8392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human C4A was purified from Plasma.
Species	Human
Source	Plasma
Description	Complement C4 interacts with C1 and C2 to form C3 convertase of the classic activation pathway. Systemic lupus erythematosus (SLE) is often associated with congenital C4 deficiency. Reduced levels of components of the classic pathway (C1, C2, C4, C3) are common after such activation, e.g. in SLE, acute serum sickness and conditions associated with circulating immune complexes. C4 has a molecular weight of 210 kDa.
Form	0.2μM filtered, liquid frozen in Sodium Phosphate buffer pH 7.0 containing 0.15M NaCl and 0.09% NaN ₃ .
Molecular Mass	210 kDa
Purity	Nominally greater than 99% of the protein is Complement C4c.

GENE INFORMATION

Gene Name	C4A complement component 4A (Rodgers blood group) [Homo sapiens]
Official Symbol	C4A

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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 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;