

## Native Human C4A

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

### SPECIFICATION

<b>Product Overview</b>	Native Human C4A was purified from Plasma.
<b>Species</b>	Human
<b>Source</b>	Plasma
<b>Description</b>	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.
<b>Form</b>	0.2µM filtered, liquid frozen in Sodium Phosphate buffer pH 7.0 containing 0.15M NaCl and 0.09% NaN <sub>3</sub> .
<b>Molecular Mass</b>	210 kDa
<b>Purity</b>	Nominally greater than 99% of the protein is Complement C4c.

### GENE INFORMATION

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

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<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">720</a>
<b>mRNA Refseq</b>	<a href="#">NM_001252204</a>
<b>Protein Refseq</b>	<a href="#">NP_001239133</a>
<b>MIM</b>	<a href="#">120810</a>
<b>UniProt ID</b>	<a href="#">P0C0L4</a>
<b>Chromosome Location</b>	6p21.3
<b>Pathway</b>	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;
<b>Function</b>	endopeptidase inhibitor activity;

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