

## Recombinant Human C9, His-tagged

Cat. No. C9-5126H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human C9 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	C9 is the final component of the complement system. It participates in the formation of the Membrane Attack Complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause component C9 deficiency.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
<b>Molecular Mass</b>	63.4 kDa (561aa)
<b>AA Sequence</b>	<p>MGSSHHHHHHH SSGLVPRGSH MGSQYTTTSYD PELTESSGSA SHIDCRMSPW            SEWSQC DPCL RQMFRSRSIE VFGQFNGKRC TDAVGDRRQC VPTEPCEDAE            DDCGNDFQCS TGRCIKMLLR CNGDND CGDF SDEDDCESEP RPPCRDRVVE            ESELARTAGY GINILGMDPL STPFDFNEFY NGLCNRDRDGN TLTYRRPWN            VASLIYETKG EKNFRTEHYE EQIEAFKSII QEKTSNFNAA ISLKFTPTET            NKAEQCCEET ASSISLHGKG SFRFSYSKNE TYQLFLSYSS KKEKMFLHVK            GEIHLGRFVM RNRDVVLT TT FVDDIKALPT TYEKGEYFAF LETYGTHYSS            SGSLGGLYEL IYVLDKASMK RKGVELKDIK RCLGYHLDVS LAFSEISVGA            EFNKDDCVKR GEGRAVNITS ENLIDDVVSL IRGGTRKYAF ELKEKLLRGT</p>

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VIDVTDFVNW ASSINDAPVL ISQKLSPIYN LVPVKMKNAH LKKQNLERAI  
 EDYINEFSVR KCHTCQNGGT VILMDGKCLC ACPFKFEGIA CEISKQKISE  
 GLPALEFPNE K

**Purity** >80% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [C9 complement component 9 \[ Homo sapiens \]](#)

**Official Symbol** C9

**Synonyms** C9; complement component 9; complement component C9;

**Gene ID** [735](#)

**mRNA Refseq** [NM\\_001737](#)

**Protein Refseq** [NP\\_001728](#)

**MIM** [120940](#)

**UniProt ID** [P02748](#)

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**Chromosome  
Location**

5p14-p12

**Pathway**

Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem;  
Complement Activation, Classical Pathway, organism-specific biosystem;  
Complement and Coagulation Cascades, organism-specific biosystem; Complement  
and coagulation cascades, organism-specific biosystem; Complement and  
coagulation cascades, conserved biosystem; Complement cascade, organism-  
specific biosystem;

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