

Recombinant Human C9, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human C9 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	63.4 kDa (561aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQYTTSYD PELTESSGSA SHIDCRMSPW SEWSQCDPCL RQMFRSRSIE VFGQFNGKRC TDAVGDRRQC VPTEPCEDAE DDCGNDFQCS TGRCIKMRLR CNGDNDCGDF SDEDDCESEP RPPCRDRVVE ESELARTAGY GINILGMDPL STPFDFNEFYN GLCNRDRDGN TLTYYYRRPWN VASLIYETKG EKNFRTEHYE EQIEAFKSII QEKTSNFNAA ISLKFTPTET NKAEQCCEET ASSISLHGKG SFRFSYSKNE TYQLFLSYSS KKEKMFLHVK GEIHLGRFVM RNRDVVLT TT FVDDIKALPT TYEKGEYFAF LETYGTHYSS SGSLGGLYEL IYVLDKASKM RKGVELKDIK RCLGYHLDVS LAFSEISVGA EFNKDDCVKR GEGRAVNITS ENLIDDVVSL IRGGTRKYAF ELKEKLLRGT

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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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