

Recombinant Human C9, His-tagged

C9-5126H Human

Lot. No. (See product label)

Specification

Product Overview	Recombinant human C9 protein, fused to His-tag at N-terminus, was expressed in 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.
Source	E. coli
Species	Human
Tag	His
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 SSSLVPRGSH MGSQYTTSYD PELTESSGSA SHIDCRMSPW SEWSQCDPCL RQMFRSRSIE VFGQFNGKRC TDAVGDRRQC VPTEPCEDAE DDCGNDQFCS TGRCIKMRLR CNGDNDCGDF SDEDDCESEP RPPCRDRVVE ESELARTAGY GINILGMDPL STPFDFNEFYN GLCNRDRDGN TLTYRRPWN 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 VIDVTDFVNW ASSINDAPVL ISQKLSPIYN LVPVKMKNAH LKKQNLERA 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;

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Gene ID	735
mRNA Refseq	NM_001737
Protein Refseq	NP_001728
MIM	120940
UniProt ID	P02748
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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