

**AR51442PU-S****Human Complement C9 (22-559, His-tag) - Purified**

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| <b>Alternate names:</b>  | Complement 9, Complement component C9  |
| <b>Quantity:</b>         | 50 µg  |
| <b>Concentration:</b>    | 0.5 mg/ml (determined by Bradford assay)   |
| <b>Background:</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>Uniprot ID:</b>       | <a href="#">P02748</a>   |
| <b>NCBI:</b>             | <a href="#">NP_001728</a>  |
| <b>GeneID:</b>           | <a href="#">735</a>  |
| <b>Species:</b>          | Human  |
| <b>Source:</b>           | E. coli  |
| <b>Format:</b>           | <b>State:</b> Liquid purified protein<br><b>Purity:</b> >80% by SDS - PAGE<br><b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea  |
| <b>Description:</b>      | Recombinant human C9 protein, fused to His-tag at N-terminus, was expressed in E.coli .<br><b>AA Sequence:</b><br>MGS SHHHHHH SSGLVPRGSH MGSQYTTSYD PELTESSGSA SHIDCRMSPW SEWSQC DPCL<br>RQMFRRSRSIE VFGQFNGKRC TDAVGDRRQC VPTEPCEDAE DDCGND FQCS TGRCIKMRLR<br>CNGDNDCGDF SDEDDCESEP RPPCRDRVVE ESELARTAGY GINILGMDPL STPF DNEFY N<br>GLCNRDRDGN TLTYYRRPWN VASLIYETKG EKNFRTEHYE EQIEAFKSII QEKTSNFNAA<br>ISLKFTP TET NKAEQCCEET ASSISLHGKG SFRFSYSKNE TYQLFLSYSS KKEKMF LHV K<br>GEIHLGRFVM RNRDVVLT TT FVDDIKALPT TYEKGEYFAF LETYGTHYSS SGLGLG L YEL<br>IYVLDKASMK RKGVELKDIK RCLGYHLDVS LAFSEISVGA EFNKDDCVKR GEGRAVNITS<br>ENLIDDV VSL IRGGTRKYAF ELKEKLLRGT VIDVTDFVNW ASSINDAPVL ISQKLSPIYN<br>LVPVKMKNAH LKKQNLERAI EDYINEFSVR KCHTCQNGGT VILMDGKCLC ACPFKFEGIA<br>CEISKQKISE GLPALEFPNE K<br><b>Molecular weight:</b> 63.4 kDa (561aa) |
| <b>Storage:</b>          | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. Shelf life: one year from despatch.   |
| <b>General Readings:</b> | Lint TF, Zeitz HJ, et al. (1980) J. Immunol. 125 (5): 2252-7   |

Pictures:

