

C9, 22-559aa Human, His tag, E.coli

Cat.NO.: TP01386

3th Edition

Synonyms: Complement component C9 precursor , Complement component 9

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. Recombinant human C9 protein, fused to His-tag at N-terminus, was expressed in E.coli .

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight: 63.4 kDa (561aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSQYTTSDPELTSSGSSASHIDCRMSPWSEWSQCDPCLRQMFRSRSIEVFG
QFNGKRCTDAVGDRRQCVPTEPCEDAEDDCGNDFCSTGRCIKMRLRCNGDNDCGDFSDDEDCSEPRPPCRD
RVVEESELARTAGYGINILGMDPLSTPFDNEFYNGLCNRDRDGNLTYYRRPWNVASLIYETKGEKNFRTEHYEEQI
EAFKSIIQEKTSNFNAAISLKFTPTETNKAEQCCEETASSISLHGKGSFRFSYSKNETYQLFLSYSSKKEKMFHVKG
EIH LGRFVMRNRDVVLTTFVDDIKALPTTYEKGEYFAFLETYGTHYSSSGSLGGLYELIYVLDKASMKRKGVELKDI
KRCLGYHLDVSLAFSEISVGAEFNKDDCVKRGEGRAVNITSENLIDDVVSLIRGGTRKYAFELKEKLLRGTVIDVDF
VNWASSINDAPVLISQKLSPIYNLVPVKMKNHLKQNLERAIEDYINEFSVRKCHTCQNGGTVILMDGKCLCACPFK
FEGIACEISKQKISEGLPALEFPNEK

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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