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RPA2, 1-270aa, Human, His tag, E.coli

产品货号: TP03763

第三版

别名: Replication protein A 32 kDa subunit, REPA2, RPA32, RPA32, RP-A p32, RP-A p34

描述: Replication Protein A (RPA) is a single stranded DNA binding protein. Human RPA is a heterotrimeric protein containing subunits of 14, 32 and 70kDa. This protein complex is highly conserved in eukaryotes and is essential in DNA replication, homologous recombination and nucleotide excision repair. The C-terminus of RPA2 can specifically interact with the DNA repair enzyme UNG2 and repair factors XPA and Rad52, each of which functions in a different repair pathway.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

分子量: 31.7 kDa (293aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSMWNSGFESYGSSSYGGAGGYTQSPGGFGSPAPSQAEEKSRARAQHIVPCTISQLLSA  
TLVDEVFRIGNVEISQVTIVGIIRHAEKAPTNIYKIDDMTAAPMDVRQWVDTDDTSSENTVVPPEYVVKVAGHLRSFQN  
KKSLVAFKIMPLEDMNEFTTHILEVINAHMVLSKANSQPSAGRAPISNPGMSEAGNFGGNSFMPANGLTVAQNQVLNLIK  
ACPRPEGLNFQDLKNQLKHMSVSSIKQAVDFLSNEGHIYSTVDDDDHFKSTDAE

纯度: > 95% by HPLC

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

内毒素: < 1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.