

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

RAD51D,1-328aa, Human, His tag, E.coli

产品货号: TP03661

第三版

别名:RAD51 homolog D isoform 1 , BROVCA4, R51H3, RAD51L3, TRAD

**描述:**RAD51D is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and *Saccharomyces cerevisiae* Rad51, which are known to be involved in the homologous recombination and repair of DNA. This protein forms a complex with several other members of the RAD51 family, including RAD51L1, RAD51L2, and XRCC2. The protein complex formed with this protein has been shown to catalyze homologous pairing between single- and double-stranded DNA, and is thought to play a role in the early stage of recombinational repair of DNA. Recombinant human RAD51D protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

**分子量:**37.4 kDa (351aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSMGVLRVGLCPGLTEEMIQLLRSHRIKTVVDLVSADLEEVAQKCGLSYKALVALRRV  
LLAQFSAFPVNGADLYEELKTSTAILSTGIGSLDKLLDAGLYTGEVTEIVGGPGSGKTQVCLCMAANVAHGLQQNVLYVD  
SNGGLTASRLQLLQAKTQDEEEQAEALRRIQVVHAFDIFQMLDVLQELRGTVAQQVTGSSGTVKVVVVDSVTAVVSPL  
LGGQQREGLALMMQLARELKTLDLGMVAVVVTNHITRDRDSGRLKPALGRSWSFVPSTRILLDTIEGAGASGGRRMAC  
LAKSSRQPTGFQEMVDIGTWGTSEQSATLQGDQT

**纯度:**> 95% by HPLC

**浓度:**0.25 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.