

Recombinant human RAD51D iso4 protein

Catalog Number: ATGP2508

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-216aa

UniProt No.

O75771

NCBI Accession No.

NP_598332

Alternative Names

RAD51 homolog D isoform 4, BROVCA4, R51H3, RAD51L3, TRAD

PRODUCT SPECIFICATION

Molecular Weight

25.7 kDa (239aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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 RDA51D protein, fused to His-tag at N-terminus, was

Recombinant human RAD51D iso4 protein

Catalog Number: ATGP2508

expressed in E. coli.

Amino acid Sequence

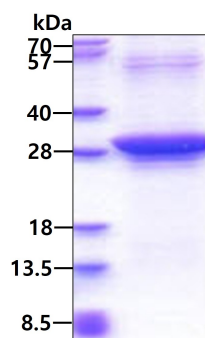
<MGSSHHHHHH SSGLVPRGSH MGS>MGVLRVG LCPGLTEEMI QLLRSHRIKT VVDLVSADLE EVAQKCGLSY
KAEALRRIQV VHAFDIFQML DVLQELRGTV AQQVTGSSGT VKVVVDSVT AVVSPLLGGQ QREGLALMMQ LARELKTAR
DLGMAVVVTN HITRDRDSDGR LKPALGRSWS FVPSTRILLD TIEGAGASGG RRMACLAKSS RQPTGFQEMV DIGTWGTSEQ
SATLQGDQT

General References

Katoh M., et al. (2001) Int J Mol Med. 8(6): 611-5.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.