Recombinant human RAD51B protein

Catalog Number: ATGP2465

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-350aa

UniProt No.
O15315

NCBI Accession No.
NP_002868

Alternative Names
DNA repair protein RAD51 homolog 2 isoform 1, RAD51 homolog B (S. cerevisiae), R51H2, RAD51L1, REC2

PRODUCT SPECIFICATION

Molecular Weight
40.6 kDa (373aa)

Concentration
0.5mg/ml (determined by Bradford assay)

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

Purity
> 85% 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
RAD51B is a member of the RAD51 protein family. RAD51 family members are evolutionarily conserved proteins essential for DNA repair by homologous recombination. This protein has been shown to form a stable heterodimer with the family member RAD51C, which further interacts with the other family members, such as RAD51, XRCC2, and XRCC3. Overexpression of this gene was found to cause cell cycle G1 delay and cell apoptosis, which suggested a role of this protein in sensing DNA damage. Recombinant human RAD51B protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

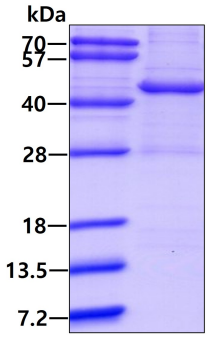
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General References

Masson J.Y., Tarsounas M.C. et al. (2001). Genes Dev. 15:3296-3307

DATA

SDS-PAGE



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