

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### ERCC5/XPG (E160) Peptide

Cat No.: BS1973P

#### Background

Seven complementation groups (A-G) of xeroderma pigmentosum have been described. The xeroderma pigmentosum group A protein, XPA, is a zinc metalloprotein which preferentially binds to DNA damaged by ultraviolet (UV) radiation and chemical carcinogens. XPA is a DNA repair enzyme that has been shown to be required for the incision step of nucleotide excision repair. XPG (also designated ERCC5) is an endonuclease that makes the 3' incision in DNA nucleotide excision repair. Mammalian XPG is similar in sequence to yeast RAD2. Conserved residues in the catalytic center of XPG are important for nuclease activity and function in nucleotide excision repair.

#### Swiss-Prot

P28715

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1973 ERCC5/XPG (E160) pAb.

#### Purification & Purity

Synthetic peptide ERCC5/XPG (E160). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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