

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### DNA pol $\delta$ 3 Peptide

Cat No.: BS5699P

#### Background

DNA replication, recombination and repair, all of which are necessary for genomic stability, require the presence of exonucleases. In DNA replication, exonucleases are involved in the processing of Okazaki fragments, whereas in DNA repair, they function to excise damaged DNA fragments and correct recombinational mismatches. These exonucleases include the family of DNA polymerases, namely DNA pol  $\alpha$ ,  $\beta$ ,  $\delta$  and  $\epsilon$ . DNA pol  $\delta$  and DNA pol  $\epsilon$  are multisubunit enzymes, with DNA pol  $\delta$  consisting of two subunits which interact with the sliding DNA clamp protein PCNA. DNA pol  $\delta$  3, also known as POLD3 or p66, is a 466 amino acid nuclear protein that is required for the proper function of DNA pol  $\delta$ .

#### Swiss-Prot

Q15054

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5699 DNA pol  $\delta$  3 pAb.

#### Purification & Purity

Synthetic peptide DNA pol  $\delta$  3. (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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