

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



ENDO G Peptide

Cat No.: BS60425P

Background

Endonuclease G (ENDO G), a nuclear encoded protein, localizes to the mitochondria (1). This sugar-nonspecific nuclease, responsible for major mitochondrial nuclease activity, preferentially cleaves single-stranded DNA(ssDNA). Synthesized as a propeptide with an amino-terminal presequence that targets the nuclease to mitochondria, ENDO G translocates to nuclei on apoptotic stimulation and act as a nuclease without sequence specificity. Both exonucleases and DNase I stimulate the ability of ENDO G to generate double-stranded DNA cleavage products at physiological ionic strengths, suggesting that these activities work in concert with ENDO G in apoptotic cells to ensure efficient DNA breakdown.

Swiss-Prot

Q14249

Applications

Blocking

Specificity

This peptide can be used with studies using BS60425 ENDO G pAb.

Purification & Purity

Synthetic peptide ENDO G. (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.