

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Spasmolysin Peptide

Cat No.: BS60387P

#### Background

Trefoil peptides are protease resistant molecules secreted throughout the gut that play a role in mucosal healing and protection of the gastrointestinal epithelia. These peptides contain three intrachain disulfide bonds, forming the trefoil motif, or P-domain. SP (spasmolytic polypeptide), also designated Trefoil factor 2 (TFF2) precursor, is a trefoil protein that functions to inhibit gastrointestinal motility and gastric acid secretion. SP may also act as a structural component of the gastric mucus, possibly by stabilizing glycoproteins in the mucus gel through interactions with carbohydrate side chains. A downregulation of SP expression is associated with primary gastric cancer, and a progressive loss of this protein is likely to be involved in the early stage of the multi-step gastric carcinogenesis pathway.

#### Swiss-Prot

Q03403

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS60387 Spasmolysin pAb.

#### Purification & Purity

Synthetic peptide Spasmolysin. (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.