

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### GPR120 (V259) Peptide

Cat No.: BS2778P

#### Background

GPR120, a member of the rhodopsin family of G protein-coupled receptors (GPCRs), is a 377 amino acid protein which is expressed in the intestine. GPR120 is a receptor for unsaturated long-chain FFAs (free fatty acids). FFAs act as signaling molecules and are an important energy source. They also employ various physiological responses through their GPCRs. One such response occurs when dietary FFAs stimulate GPR120. This stimulation promotes the secretion of Glucagon-like peptide-1 (GLP-1) in vivo and in vitro. GLP-1 belongs to the class of molecules known as the incretins, which are associated with insulin secreted from the pancreas as a result of food intake. GLP-1 also inhibits Glucagon and gastric acid secretion and gastric emptying. Consequently, the role of GPR120 in the secretion of GLP-1 is critical in the treatment of diabetes.

#### Swiss-Prot

Q5NUL3

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS2778 GPR120 (V259) pAb.

#### Purification & Purity

Synthetic peptide GPR120 (V259). (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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