

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Renin Receptor Peptide

Cat No.: BS5887P

#### Background

The Renin Receptor, also known as ATP6AP2 (ATPase H<sup>+</sup>-transporting lysosomal accessory protein 2), ATP6IP2 (ATPase H<sup>+</sup>-transporting lysosomal-interacting protein 2), CAPER or M8-9, is an ATPase-associated protein that functions as a Renin and prorenin cellular receptor. Expressed in the brain, heart, liver, kidney, placenta and pancreas, the Renin Receptor functions to activate ERK 1 and ERK 2, thereby mediating Renin-dependent cellular responses. The Renin Receptor has a subunit that associates with the transmembrane domain of V-type ATPases and interacts with Renin. These interactions increase the catalytic activity of Renin in the Renin-Angiotensin system (RAS), thus upregulating the conversion of angiotensinogen to Angiotensin.

#### Swiss-Prot

O75787

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5887 Renin Receptor pAb.

#### Purification & Purity

Synthetic peptide Renin Receptor. (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.