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### **Angiotensin II receptor (AT-2R) Peptide**

**Catalog Number:** PR-28  
**Quantity:** 25 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4) with BSA, no preservative.

#### **Background:**

Angiotensin II interacts with two types of G-protein coupled membrane receptors, AT-1 (type 1) and AT-2 (type 2). AT-2 is a seven transmembrane domain G-protein coupled membrane receptor comprised of 363 aa. It is highly expressed in myometrium, with lower levels in adrenal and fallopian tube in rats. It is also expressed at high levels in fetal kidney and intestine.

#### **Specificity and Preparation:**

This peptide corresponds to a cytoplasmic region of the receptor.

#### **Usage and Storage:**

Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. The material should be stored at -20°C in undiluted aliquots. Material should be aliquoted to a convenient volume and quantity to avoid repeated freezing and thawing that can damage the protein content. Under these conditions, the material has a very stable shelf-life. Thawing should be done at room temperature or on ice. The thawed solution should remain on ice until use. The material can be handled safely using normal laboratory precautions.

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