

## Human Angiotensin II

<b>CATALOG #:</b>	4917-5MG
<b>AMOUNT:</b>	5 mg
<b>LOT #:</b>	_____
<b>MOL. WT.</b>	1047.2
<b>SEQUENCE:</b>	H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-OH
<b>PURITY:</b>	>95% by HPLC
<b>FORM:</b>	Lyophilized powder
<b>SUGGESTED SOLVENT:</b>	Soluble in Water (25 mg/ml)

### STORAGE CONDITIONS:

The lyophilized peptide should be stored desiccated at -20°C. Stable for 6 months. Reconstituted Angiotensin II should be stored in working aliquots at -20°C. Avoid freeze/thaw cycles.

### DESCRIPTION:

The octapeptide angiotensin II exerts a wide range of effects on the cardiovascular system. It is also implicated in the regulation of cell proliferation, fibrosis and apoptosis. Angiotensin II is formed by cleavage of angiotensin I by angiotensin-converting enzyme (ACE) or chymases. Human heart chymase, a chymotrypsin-like serine proteinase, hydrolyzes the Phe<sup>8</sup>-His<sup>9</sup> bond to yield the octapeptide hormone angiotensin II and His-Leu.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Metabolism & Obesity Assays

- Recombinant Adiponectin, Survivin, & Leptin
- CETP & PLTP Activity Assay & Drug Discovery Kits
- Cholesterol, HDL/LDL, Triglyceride Quantification Kits
- Glucose/Sucrose/Galactose/Maltose Assay Kits
- Lactate, Uric acid, Ethanol, Ascorbic Acid, Fatty Acid Assay Kits
- Hemin, Glycerol, Phosphate, Coline, Sarcosine Pyruvate Assay Kits

#### Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- $\beta$ -Galactosidase Staining Kit & Luciferase Reporter Assay Kit