Product Data Sheet

Product Name:	Angiotensin II, human
Catalog Number:	AS-20633 (5 mg) Lot Number: See label on vial AS-20634 (25 mg)
Sequence:	H-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-OH (3-letter code) DRVYIHPF (1-letter code)
Molecular Weight:	1046.2
% Peak Area by HPLC:	≥ 95
Appearance:	Lyophilized white powder

Peptide Reconstitution: Use distilled or higher quality water. Add water directly to the lyophilized peptide powder to obtain a final concentration of approximately 0.5 mg/mL to 1mg/mL or less. Gently vortex to mix. For peptides that have poor solubility in the suggested solvent, brief sonication may increase solubility in some cases.

Storage: Peptide is shipped at ambient temperature. Upon receipt, store lyophilized powder at –20°C or lower. Reconstituted peptide should be aliquoted into several freezer vials and stored at –20°C or lower. Do not freeze thaw.

Description: The octapeptide angiotensin II (Ang II) exerts a wide range of effects on the cardiovascular system. It is also implicated in the regulation of cell proliferation, fibrosis and apoptosis. Ang II is formed by cleavage of Ang I by the angiotensin-converting enzyme (ACE) or chymases. Human heart chymase, a chymotrypsin-like serine proteinase, hydrolyzes the Phe8-His9 bond to yield the octapeptide hormone angiotensin II and His-Leu. Ref: Lundequist, A. et al. *J Biol Chem* **279**, 32339 (2004); Spyroulias, G. et al. *Eur J Biochem* **270**, 2163 (2003); Cobb, C. et al. *Gen Comp Endocrinol* **127**, 8 (2002); Kinoshita, A. et al. *J Biol Chem* **266**, 19192 (1991)

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