# Human Angiotensin II Reference standard

**Cat. No.** AGT-52H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Calibrant for angiotensin II (ANG II) assays. |
| **Species** | Human |
| **Enzyme Unit** | Each ampoule contains 25μg angiotensin II |
| **Usage** | No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For all practical purposes each ampoule contains the same amount of the same materials. Dissolve the total contents in a known amount of suitable buffer solution with carrier protein (free of peptidase), where extensive dilution is required, to minimise loss by surface adsorption. For economy of use it is recommended that the solution be subdivided into several small containers, which are frozen rapidly to below –40°C and then stored below –40°C in the dark. Repeated freezing and thawing should be avoided. |
| **Notes** | This preparation is not for administration to humans. The material is not of human or bovine origin. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts. |
| **Stability** | They remain valid with the assigned potency and status until withdrawn or amended. Reference materials are held at Creative Biomart within assured, temperature- |

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| | controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label. In addition, once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart. |
| **Storage** | Store at -20°C or below Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature. |

## GENE INFORMATION

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| **Gene Name** | AGT angiotensinogen (serpin peptidase inhibitor, clade A, member 8) [ Homo sapiens ]; |
| **Official Symbol** | AGT |
| **Synonyms** | AGT; angiotensinogen (serpin peptidase inhibitor, clade A, member 8); SERPINA8; angiotensinogen; alpha 1 antiproteinase; antitrypsin; serpin A8; angiotensin I; angiotensin II; pre-angiotensinogen; alpha-1 antiproteinase, antitrypsin; serine (or cysteine) proteinase inhibitor; ANHU; |
| **Gene ID** | 183 |
| **mRNA Refseq** | NM_000029 |
| **Protein Refseq** | NP_000020 |
| **UniProt ID** | P01019 |
| **Chromosome** | 1q42.2 |

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| **Location** | |
| **Pathway** | ACE Inhibitor Pathway, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; |
| **Function** | acetyltransferase activator activity; growth factor activity; hormone activity; hormone activity; serine-type endopeptidase inhibitor activity; type 1 angiotensin receptor binding; type 2 angiotensin receptor binding; |

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