

## Active Human alpha 1-Microglobulin Reference Standard

Cat. No. AMBP-5H    Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Species              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description          | This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes. |
| Form                 | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bio-activity         | The level of alpha 1-Microglobulin in the serum was quantified using ELISA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Usage                | For research use only, not for diagnostic or therapeutic use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Quality Control Test | Generated from a human serum pool. This lot has been tested by standard laboratory procedures and found to be negative for HIV 1, HIV 2, Hepatitis B and Hepatitis C.                                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage              | Stored at -20 °C, 4 °C for less than seven days, frozen for greater than seven days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Concentration        | 12.09 ug/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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**Preservative** 0.1% sodium azide

## GENE INFORMATION

**Gene Name** [AMBP alpha-1-microglobulin/bikunin precursor \[ Homo sapiens \]](#)

**Official Symbol** AMBP

**Synonyms** AMBP; alpha-1-microglobulin/bikunin precursor; ITI, ITIL; protein AMBP; bikunin; complex forming glycoprotein heterogeneous in charge; EDC1; growth inhibiting protein 19; HCP; HI30; IATIL; inter alpha trypsin inhibitor light chain; ITILC; protein HC; trypstatin; uristatin; uronic acid rich protein; UTI; uronic-acid-rich protein; growth-inhibiting protein 19; inter-alpha-trypsin inhibitor light chain; complex-forming glycoprotein heterogeneous in charge; A1M; ITI; ITIL;

**Gene ID** [259](#)

**mRNA Refseq** [NM\\_001633](#)

**Protein Refseq** [NP\\_001624](#)

**MIM** [176870](#)

**UniProt ID** [P02760](#)

**Chromosome Location** 9q32-q33

**Function** IgA binding; calcium channel inhibitor activity; calcium oxalate binding; heme binding; peptidase inhibitor activity; protein homodimerization activity; serine-type endopeptidase inhibitor activity; transporter activity;

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