

Datasheet for ABIN621846 **AMBP Protein**



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Overview

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|-----------|-------|
| Quantity: | 10 mg |
| Target: | AMBP |
| Origin: | Human |
| Source: | Human |

Product Details

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|------------------|---|
| Characteristics: | Human Urinary Trypsin Inhibitor |
| Purity: | > 98.0 % as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. |

Target Details

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|-------------------|---|
| Target: | AMBP |
| Alternative Name: | Urinary Trypsin Inhibitor (AMBP Products) |

Background: Ulinastatin is derived from human urine. Introduction: Urinary-Trypsin Inhibitor is a glucoprotein proteinase inhibitor with a molecular weight of about 67,000 derived from human urine which inhibits the activity of trypsin, chymotrypsin, lactate, lipase, hyaluronidase and various pancreatic enzymes. Ulinastatin is effective for acute pancreatitis, chronic recurrent pancreatitis and hemorrhagic, traumatic and endotoxic shocks. Ulinastatin is has strong inhibition effect to various protease, sugar and fat hydrolase. Ulinastatin precursor is proteolytically processed into distinct functioning proteins. Urinary trypsin inhibitor belongs to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. Uristatin gene is located on chromosome 9 in a cluster of lipocalin genes. High levels of Ulinastatin secretion is an early marker of renal tubular

Target Details

involvement and has radical scavenging activity. Bikunin localizes cell membrane. Free uristatin and bikunin pass readily into urine and are primarily bound to heavy chains that constitute the proinhibitor form in plasma. Ulinastatin particularly interacts with ORF3 protein of hepatitis E virus and in charge for enhancing alpha microglobulin export from the hepatocyte. Synonyms: UTI, Bikunin, Uristatin, Ulinastatin, AMBP, EDC1, HI30, ITIL, IATIL, ITILC, Urinary Trypsin Inhibitor.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from a (1mg/ml) solution containing no additives. It is recommended to reconstitute the lyophilized UTI in sterile 18M omega cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: -20 °C