

Active Recombinant Human AMBP

Cat. No. AMBP-230H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Ulinastatin produced in Yeast is a single, glycosylated, polypeptide having 143 amino acids, molecular mass of 20 kDa and predicted pI of 4.5.
Species	Human
Source	P.pastoris
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	Sterile Filtered solution. Formulated in 1X PBS.
Bio-activity	Greater than 3000U/mg as measured by BAEE method.
Molecular Mass	20 kDa
AA Sequence	AVLPQEEEGS GGGQLVTEVT KKEDSCQLGY SAGPCMGMTS RYFYNGTSMACETFQYGGCM GNGNNFVTEK ECLQTCRTVA ACNLPVIRGP CRAFIQLWAFDAVKGKCVLF PYGGCQGN GN KFYSEKECRE YCGVPGDGDE ELL.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity Greater than 98.0% as determined by RP-HPLC and FPLC.

Storage Ulinastatin although stable at 15°C for 2 weeks, should be stored below -18°C. Please prevent freeze-thaw cycles.

GENE INFORMATION

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

Official Symbol AMBP

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

Gene ID [259](#)

mRNA Refseq [NM_001633](#)

Protein Refseq [NP_001624](#)

MIM [176870](#)

UniProt ID P02760

Chromosome Location 9q32-q33

Pathway Binding and Uptake of Ligands by Scavenger Receptors; Scavenging of Heme from Plasma

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

IgA binding; calcium channel inhibitor activity; calcium oxalate binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA