

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 ACNLPIVRGP CRAFIQLWAFDAVKGKCVLF PYGGCQGN GN KFYSEKECRE YCGVPGDGDE ELL.

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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

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Function

IgA binding; calcium channel inhibitor activity; calcium oxalate binding

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