

## Recombinant Human AMBP, His-tagged

Cat. No. AMBP-220H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	A DNA sequence encoding the alpha-1-microglobulin of human AMBP (NP_001624.1) (Met1-Val203) was expressed with a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	Met1-Val203
<b>Form</b>	Lyophilized from sterile PBS, pH7.4.
<b>Molecular Mass</b>	The recombinant alpha-1-microglobulin of human AMBP comprises 195 amino acids and has a predicted molecular mass of 22.3 kDa. The apparent molecular mass of the protein is approximately 32.8 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C
<b>Storage</b>	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Hardcopy of COA with reconstitution instruction is sent along with the products.

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## GENE INFORMATION

<b>Gene Name</b>	AMBP alpha-1-microglobulin/bikunin precursor [ Homo sapiens ]
<b>Official Symbol</b>	AMBP
<b>Synonyms</b>	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;
<b>Gene ID</b>	259
<b>mRNA Refseq</b>	NM_001633
<b>Protein Refseq</b>	NP_001624
<b>MIM</b>	176870
<b>UniProt ID</b>	P02760
<b>Chromosome Location</b>	9q32-q33
<b>Function</b>	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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