

Recombinant Human Alpha-1-Microglobulin/Bikunin Precursor, His-tagged

Cat. No. AMBP-6894H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AMBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 23.1 kDa.
Species	Human
Source	E.coli
ProteinLength	20-203aa
Description	AMBP is an immunomodulatory protein with a broad spectrum of possible clinical applications and seems a promising marker for evaluation of tubular function. AMBP specifically interacts with the ORF3 protein of hepatitis E virus and has a direct role in enhancing alpha-1 microglobulin export from the hepatocyte.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Mass	23.1 kDa (205aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGPVPTPPDN IQVQENFNIS RIYGKWYNLA IGSTCPWLKK IMDRMTVSTL VLGEGATEAE ISMTSTRWRK GVCEETSGAY EKTDTDGKFL YHKS KWNITM ESYVVHTNYD EYAI FLTKKF SRHHGPTITA KLYGRAPQLR ETLLQDFRVV AQGVGIPEDS IFTMADR GEC VPGEQEPEPI LIPRV

 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	>90% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

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

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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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