

## Product datasheet for PH308342

### Alpha 1 microglobulin (AMBP) (NM\_001633) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AMBP MS Standard C13 and N15-labeled recombinant protein (NP_001624)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208342
Predicted MW:	39 kDa
Protein Sequence:	>RC208342 protein sequence Red=Cloning site Green=Tags(s)

M R S L G A L L L L S A C L A V S A G P V P T P P D N I Q V Q E N F N I S R I Y G K W Y N L A I G S T C P W L K K I M D R M T V S T L V L  
G E G A T E A E I S M T S T R W R K G V C E E T S G A Y E K T D T D G K F L Y H K S K W N I T M E S Y V V H T N Y D E Y A I F L T K K F S R  
H H G P T I T A K L Y G R A P Q L R E T L L Q D F R V V A Q G V G I P E D S I F T M A D R G E C V P G E Q E P E P I L I P R V R R A V L P Q  
E E E G S G G Q L V T E V T K K E D S C Q L G Y S A G P C M G M T S R Y F Y N G T S M A C E T F Q Y G G C M G N N F V T E K E C L Q T  
C R T V A A C N L P I V R G P C R A F I Q L W A F D A V K G K C V L F P Y G G C Q G N G N K F Y S E K E C R E Y C G V P G D G D E E L L R F  
S N

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001624</u>
RefSeq Size:	1450
RefSeq ORF:	1056
Synonyms:	A1M; EDC1; HCP; HI30; IATIL; ITI; ITIL; ITILC; UTI
Locus ID:	259



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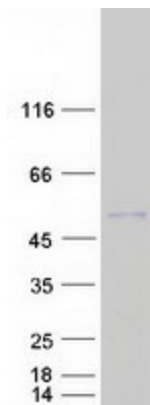
UniProt ID: [P02760](#)

Cytogenetics: 9q32

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified AMBP protein (Cat# [TP308342]). The protein was produced from HEK293T cells transfected with AMBP cDNA clone (Cat# [RC208342]) using MegaTran 2.0 (Cat# [TT210002]).