

AR50083PU-N

Human AMBP (20-203, His-tag) - Purified

Alternate names:

Alpha-1 microglycoprotein, Alpha-1-microglobulin, Bikunin, Complex-forming glycoprotein heterogeneous in charge, EDC1, HCP, HI-30, ITI-LC, ITIL, Inter-alpha-trypsin inhibitor light chain, Trypstatin, Uronic-acid-rich protein

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

Alpha-1-microglobulin, also known as 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.

Uniprot ID:

[P02760](#)

NCBI:

[NP_001624](#)

GeneID:

[259](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Description:

Recombinant human AMBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGPVPTPPDN IQVQENFNIS RIYGKWNLA IGSTCPWLKK
IMDRMTVSTL VLGEGATEAE ISMTSTRWRK GVCEETSGAY EKTDGKFL YHKSQWNITM
ESYVVHTNYD EYAIFLTCKF SRHHGPTITA KLYGRAPQLR ETLLQDFRVV AQGVGIPEDS
IFTMADRGEV VPGEQEPEPI LIPRV

Molecular weight: 23.1 kDa (205aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Vetr H., et al. (1990) Bio Chem Hoppe Seyler. 371:1185-1196. Sala A., et al. (2004) J Biol Chem. 279:51033-51041.

Pictures:

