

## Recombinant Human AMBP

Catalog No: C956

Description Recombinant Human alpha 1-Microglobulin is produced by our Mammalian expression system and the

target gene encoding Gly20-Val203 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name

Protein AMBP; Alpha-1-Microglobulin; Protein HC; Alpha-1 Microglycoprotein; Complex-Forming

Glycoprotein Heterogeneous in Charge; Inter-Alpha-Trypsin Inhibitor Light Chain; ITI-LC; Bikunin; EDC1;

HI-30; Uronic-Acid-Rich Protein; Trypstatin; AMBP; HCP; ITIL

Accession No. P02760

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

GPVPTPPDNIQVQENFNISRIYGKWYNLAIGSTCPWLKKIMDRMTVSTLVLGEGATEAEISMTSTRWRKGVC

Amino Acid EETSGAYEKTDT

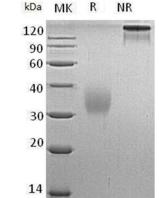
Sequence DGKFL

DGKFLYHKSKWNITMESYVVHTNYDEYAIFLTKKFSRHHGPTITAKLYGRAPQLRETLLQDFRVVAQGVGIP

EDSIFTMADRGEC VPGEQEPEPILIPRVVDHHHHHH

Protein AMBP belongs to the calycin superfamily and Lipocalin family. AMBP can be cleaved into three chains:  $\alpha$  -1-microglobulin, inter-  $\alpha$  -trypsin inhibitor light chain and trypstatin. AMBP is expressed by the liver and secreted in plasma.  $\alpha$  -1-microglobulin occurs in many physiological fluids including the plasma, urine, and cerebrospinal fluid. Inter- $\alpha$ -trypsin inhibitor is present in the plasma and urine.  $\alpha$ -1-microglobulin occurs as a monomer and also in complexes with IgA and albumin, Inter- $\alpha$ -trypsin inhibitor inhibits trypsin, plasmin and lysosomal granulocytic elastase. Trypstatin act as a trypsin inhibitor, exists in a monomer forms

and also occurs as a complex with tryptase in mast cells.



SDS-Page

**Background** 

