

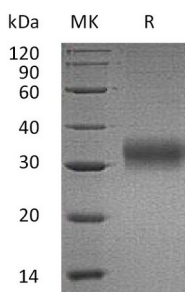
**Product Name: Recombinant Human AMBP (C-6His)**  
**Catalog #: PHH0045**



## Summary

<b>Name</b>	Alpha 1-Microglobulin/AMBP
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P02760
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	21.9 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

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**Alternative Names**

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

**Background**

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.

**Note**

For Research Use Only , Not for Diagnostic Use.