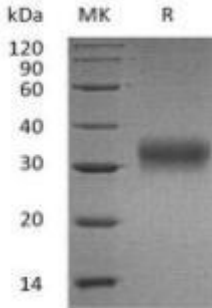


Recombinant Human AMBP

Catalog#:P00915 Derived from Human Cells

DESCRIPTION	<p>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.</p> <p>Accession#: P02760</p> <p>Known as: 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</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at <-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>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.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass:21.9kDa AP Mol Mass:33kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>Protein AMBP belongs to the calycin superfamily and Lipocalin family. AMBP can be cleaved into three chains: α-1-microglobulin, inter- α-trypsin inhibitor light chain and trypstatin. AMBP is expressed by the liver and secreted in plasma. α-1-microglobulin occurs in many physiological fluids including the plasma, urine, and cerebrospinal fluid. Inter- α -trypsin inhibitor is present in the plasma and urine. α-1-microglobulin occurs as a monomer and also in complexes with IgA and albumin, Inter-α-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 trypase in mast cells.</p>
SDS-PAGE	 <p>The SDS-PAGE gel shows two lanes, MK and R. The R lane contains a single prominent band at approximately 33 kDa, corresponding to the AP Mol Mass of the recombinant protein. The MK lane shows multiple bands at various molecular weights, likely representing the native protein or its cleavage products. Molecular weight markers are indicated on the left at 120, 90, 60, 40, 30, 20, and 14 kDa.</p>