

AMBP

Native Human Alpha 1 Microglobulin

Catalog No.	CSI10386A CSI10386B	Quantity:	100 µg 1.0 mg
Alternate Names:	A1M, HCP		
Description:	<p>Human Alpha-1-microglobulin (A1M), also known as protein HC (for Heterogeneous Charge), is a low molecular weight protein component of plasma first discovered in pathological human urine. Human Alpha-1-microglobulin (A1M), is a member of the lipocalin superfamily. Evidence suggests that Human Alpha-1-microglobulin (A1M), functions in the regulation of the immune system.</p> <p>Human Alpha-1-microglobulin (A1M) is used in the diagnosis of tubular proteinuria (eg, Fanconi syndrome, tubulo-interstitial disorders. Increased excretion of Human Alpha-1-microglobulin (A1M) in the urine shows the presence of renal tubular disease. Increased levels of Human Alpha-1-microglobulin (A1M) may be present in the nephrotic syndrome.</p> <p>Human Alpha-1-microglobulin (A1M) occurs in many physiological fluids including plasma, urine, and cerebrospinal fluid. Human Alpha-1-microglobulin (A1M) appears not only as a free monomer but also in complexes with IgA and human albumin.</p>		
Gene ID:	259		
Protein Accession No:	P02760		
Source:	Human Urine		
Molecular Weight:	~27 kDa		
Formulation:	Lyophilized in 0.02 M ammonium bicarbonate. May contain traces of buffer salts.		
Purity:	>96% as determined by SDS-PAGE		
Reconstitution:	Reconstitute in a 0.05 M phosphate buffer with 0.15 M NaCl, pH >7.0.		
Storage & Stability:	Stable for 1 year at 2-8°C. After reconstitution store in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		
Certification:	Non-Infectious Disease Certification: Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999.		

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