

Recombinant Human AMBP

Catalog No: C956

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| 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. |
| Amino Acid Sequence | GPVPTPPDNIQVQENFNISRIYGKWYNLAIGSTCPWLKKIMDRMTVSTLVLGEGATEAEISMTSTRWRKGVC EETSGAYEKTD DGKFLYHKSKWNITMESYVVHTNYDEYAIFLTKKFSRHHGPTITAKLYGRAPQLRETLQDFRVVAQGVGIP EDSIFTMADRGECPGGEQEPELIPRVVDHHHHHH |
| Background | 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 trypsin in mast cells. |

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