



Recombinant Protein Technical Manual

Recombinant Human AMBP/Alpha 1 Microglobulin Protein (His Tag)

RPES4706

Product Data:

Product SKU: RPES4706

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P02760

Protein Information:

Molecular Mass: 21.9 kDa

AP Molecular Mass: 33 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein AMBP; Alpha-Microglobulin; Protein HC; Alpha 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;A1M;EDC1;HCP;HI30;IATIL;ITI;ITIL;ITILC;UTI

Immunogen Information:

Sequence: Gly20-Val203

Background:

Protein AMBP belongs to the calycin superfamily and Lipocalin family. AMBP can be cleaved into three chains: α -microglobulin, inter- α -trypsin inhibitor light chain and trypstatin. AMBP is expressed by the liver and secreted in plasma. α -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 -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.