

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

Catalog No. PKSH033773

Note: Centrifuge before opening to ensure complete recovery of vial contents.

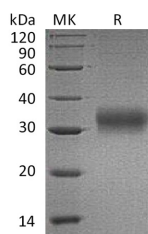
Description

Synonyms	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;A1M;EDC1;HCP;HI30;IATIL;ITI;ITIL;ITILC;UTI
Species	Human
Expression Host	HEK293 Cells
Sequence	Gly20-Val203
Accession	P02760
Calculated Molecular Weight	21.9 kDa
Observed molecular weight	33 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°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, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

For Research Use Only

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 tryptase in mast cells.