Recombinant Human AMBP Protein

Catalog No.: RP02794

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Sequence Information

Species
Human

Gene ID
259

Swiss Prot
P02760

Tags
C-His

Synonyms
A1M; HCP; ITI; UTI; EDC1; HI30; ITIL; IATIL; ITILC; AMBP

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
21.9 kDa

Observed MW
33 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Basic Information

Description
Recombinant Human AMBP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly20-Val203) of human AMBP (Accession #NP_001624.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

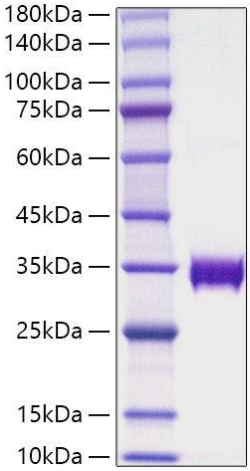
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human AMBP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.