

Bikunin/AMBP Protein, Human, Recombinant (His)

General Information

Synonyms:	α -1-Microglobulin;Uronic-Acid-Rich Protein;Inter- α -Trypsin Inhibitor Light Chain;Complex-Forming Glycoprotein Heterogeneous in Charge;AMBP;Bikunin;ITI-LC;Alpha-1-Microglobulin;Alpha-1 Microglycoprotein;Protein HC;HI-30;ITI;Protein AMBP;EDC1;HCP;Trypstatin; α -1 Microglycoprotein;Inter-Alpha-Trypsin Inhibitor Light Chain
Protein Construction:	Gly20-Val203
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P02760
Molecular Weight:	33 KDa (reducing condition)
AA Sequence:	Gly20-Val203

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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