

Serpin F2 Protein, Human, Recombinant (hFc)

General Information

Protein Construction:	Met28-Lys491
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P08697-1
Molecular Weight:	77.66 kDa (Predicted); 90-110 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human SERPINF2, hFc Tag at 5 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-SERPINF2 Antibody, hFc Tag with the EC50 of 0.18 µg/ml determined by ELISA (QC Test).
Purity:	> 95% as determined by Bis-Tris PAGE
Endotoxin:	< 0.1 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/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:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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

Large-pool solvent/detergent (SD) plasma for transfusion exhibits reduced alpha 2-antiplasmin (alpha2-AP; SERPINF2) functional activity. The reason for the loss of alpha2-AP has not been described and could be due to the SD incubation itself and/or to the processing steps implemented to remove the solvent and the detergent.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481