



Recombinant Protein Technical Manual

Recombinant Mouse SerpinF2/SERPINF2 Protein (His Tag) RPES2894

Product Data:

Product SKU: RPES2894

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q61247

Protein Information:

Molecular Mass: 53.2 kDa

AP Molecular Mass: 70-85 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, 20% glycerol, 1mM DTT, pH 8.0.

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

Application:

Synonyms: Alpha-2-antiplasmin; Alpha-2-AP; Alpha-2-plasmin inhibitor; Alpha-2-PI; Serpin F2; Serpinf2

Immunogen Information:

Sequence: Val28-Lys491

Background:

Alpha-2-antiplasmin, also called Serpin F2, is a serine protease inhibitor (serpin) responsible for inactivating plasmin, and an important enzyme participates in fibrinolysis and degradation of other proteins. In liver cirrhosis, there is decreased production of alpha 2-antiplasmin, leading to decreased inactivation of plasmin and an increase in fibrinolysis. Serpin F2 is major expressed on liver and kidney. Some other tissues such as muscle, intestine, central nervous system, and placenta also express Serpin F2 mRNA at a moderate level indicated that it is a key regulator of plasmin-mediated proteolysis in these tissues.