



Recombinant Protein Technical Manual

Recombinant Mouse SerpinB12/SERPINB12 Protein (His Tag) RPES2273

Product Data:

Product SKU: RPES2273

Size: 20µg

Species: Mouse

Expression host: Baculovirus-Insect Cells

Uniprot: NP_082247.1

Protein Information:

Molecular Mass: 49.3 kDa

AP Molecular Mass: 58 kDa

Tag: C-His

Bio-activity:

Purity: > 92 % as determined by SDS-PAGE

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

Storage: 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 sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH 7.4

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

Application:

Synonyms: 2300003F07Rik;4833409F13Rik

Immunogen Information:

Sequence: Met 1-Pro 423

Background:

Serpins are the largest and most diverse family of serine protease inhibitors which are involved in a number of fundamental biological processes such as blood coagulation, complement activation, fibrinolysis, angiogenesis, inflammation and tumor suppression and are expressed in a cell-specific manner. Most serpins are secreted and attain physiologic concentrations in the blood and extracellular fluids. Mouse SerpinB12 is a cytoplasm protein which belongs to the serpin family and Ov-serpin subfamily. It is expressed in many tissues, including brain, bone marrow, lymph node, heart, lung, liver, pancreas, testis, ovary, and intestine. SerpinB12 inhibits trypsin and plasmin, but not thrombin, coagulation factor Xa, or urokinase-type plasminogen activator.