



Recombinant Protein Technical Manual

Recombinant Human TNFSF7/CD70 Protein (Fc Tag)

RPES5066

Product Data:

Product SKU: RPES5066

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P32970

Protein Information:

Molecular Mass: 43.6 kDa

AP Molecular Mass: 52 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: CD70 antigen;CD70;CD27 ligand;Tumor necrosis factor ligand superfamily member 7;CD27LG; TNFSF7;CD27L

Immunogen Information:

Sequence: Gln45-Pro193

Background:

CD27 Ligand (CD70) is a 30 kDa type 2 transmembrane glycoprotein that belongs to the tumor necrosis factor (TNF) ligand family. Human CD27 Ligand extracellular region is 64% aa identical to mouse and rat CD27 Ligand extracellular regions. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.