



Recombinant Protein Technical Manual

**Recombinant Rhesus macaque CD27/TNFRSF7
Protein (His Tag)
RPES3878**

Product Data:

Product SKU: RPES3878

Size: 10µg

Species: Rhesus macaque

Expression host: Human Cells

Uniprot: F7BYS2

Protein Information:

Molecular Mass: 20.1 kDa

AP Molecular Mass: 40 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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, pH 7.4.

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

Application:

Synonyms: CD27 Antigen; CD27L Receptor; T-Cell Activation Antigen CD27; T14; Tumor Necrosis Factor Receptor Superfamily Member 7; CD27; CD27; TNFRSF7

Immunogen Information:

Sequence: Thr21-Ile192

Background:

CD27 antigen, also known as CD27L receptor, T-cell activation antigen CD27, T14, S152, Tp55, TNFRSF7 and Tumor necrosis factor receptor for superfamily member 7, belongs to the TNF-receptor superfamily. CD27 is a single-pass type I membrane protein and exists as a homodimer form, containing three TNFR-Cys repeats. CD27 transduces signals that lead to the activation of NF-KappaB and MAPK8/JNK. CD27 is involved in regulating B-cell activation and immunoglobulin synthesis, binding to the ligand CD70. TRAF2 and TRAF5 have been shown to mediate the signaling process of CD27. CD27-binding protein (SIVA), which is a proapoptotic protein, can bind to CD27 and is thought to play a key role in the apoptosis. CD27 is required for generation and long-term maintenance of T cell immunity.