

Recombinant Rhesus macaque CD27/TNFRSF7 Protein (Fc Tag)



Catalog Number:PKSQ050077

Note: Centrifuge before opening to ensure complete recovery of vial contents.

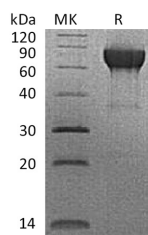
Description

Synonyms	CD27 Antigen;CD27L Receptor;T-Cell Activation Antigen CD27;T14;Tumor Necrosis Factor Receptor Superfamily Member 7;CD27;CD27;TNFRSF7
Species	Rhesus macaque
Expression Host	HEK293 Cells
Sequence	Thr21-Ile192
Accession	F7BYS2
Calculated Molecular Weight	46.5 kDa
Observed molecular weight	60-90 kDa
Tag	C-Fc

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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 20mM Tris-HCl, 150mM NaCl, pH 8.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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

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a key role in the apoptosis. CD27 is required for generation and long-term maintenance of T cell immunity.

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