

Recombinant Human CD27 Ligand/TNFSF7/CD70 (C-mFc)

Catalog No. PKSH033858

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

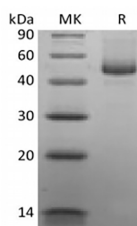
Description

Synonyms	CD70 antigen;CD70;CD27 ligand;Tumor necrosis factor ligand superfamily member 7;CD27LG;TNFSF7;CD27L
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln45-Pro193
Accession	P32970
Calculated Molecular Weight	43.0 kDa
Observed molecular weight	50-60 kDa
Tag	C-mFc

Properties

Purity	> 95 % 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 PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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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.