

Recombinant Human CD27/TNFRSF7 Protein

Catalog No	RP00326	Category	Protein
Description	Recombinant Human CD27/TNFRSF7 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Thr21-Ile192) of human CD27/TNFRSF7 (Accession #P26842) fused with an Fc, 6×His tag at the C-terminus.		
Bio-Activity	Measured by its ability to inhibit the proliferation of mouse T cells induced by CD27 Ligand and anti-CD3. The ED ₅₀ for this effect is 0.75-3 µg/mL in the presence of 10 µg/mL (100 µL/well) Recombinant Human CD27/TNFRSF7 and anti-CD3.		

Sequence Information

Species	Human	Gene ID	939
Tags	Fc, 6×His tag at the C-terminus	Swiss Prot	P26842
Synonyms	S152; S152.LPFS2; T14; TNFRSF7; Tp55		
AA Sequence	TPAPKSCPERHYWAQGKLCQMCPEGTFLVKDCDQHRKAAQCDPCIPGVSFSPDHHTRPH CESCRHCNSGLLVRNCTITANAECACRNGWQCRDKECTCDPLPNPSLTARSSQALSPHP QPHTLPYVSEMLEARAGHMQLADFRQLPARTLSTHWPPQRSLCSDDFIRI		

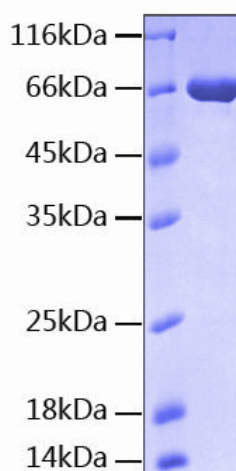
Product information

Source	Human cells
Purity	> 95% by SDS-PAGE.
Endotoxin	< 1 EU/µg of the protein by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Background

This protein is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

SDS-PAGE



Bioactivity