

Active Recombinant Human CD27 Protein, hIgG/His-tagged

Cat. No. CD27-06H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CD27 (20-191aa), fused to hIgG-His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	20-191aa
Description	The protein encoded by this gene 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.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human CD27 Ligand/TNFSF7. The ED50 range $\leq 0.8 \mu\text{g/mL}$.
Molecular Mass	46.2 kDa (411aa)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	ATPAPKSCPERHYWAQGKLCCQMCEPGTFLVKDCDQHRKAAQCDPCIPGVSFSPD HHTRPHCESCRHCNSGLLVNRNCTITANAECACRNGWQCRDKECTECDPLPNPSLT ARSSQALSPHPQPHTLPYVSEMLEARAGHMQTLADFRQLPARTLSTHWPPQRS L CSSDFIR
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	CD27 CD27 molecule [Homo sapiens (human)]
Official Symbol	CD27
Synonyms	CD27; CD27 molecule; T14; S152; Tp55; TNFRSF7; S152. LPFS2; CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7
Gene ID	939
mRNA Refseq	NM_001242

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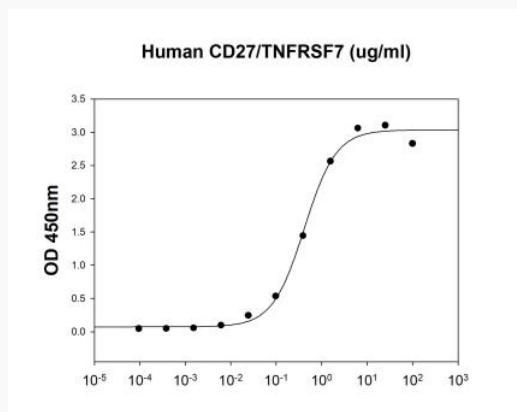
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Protein Refseq NP_001233.1

MIM 186711

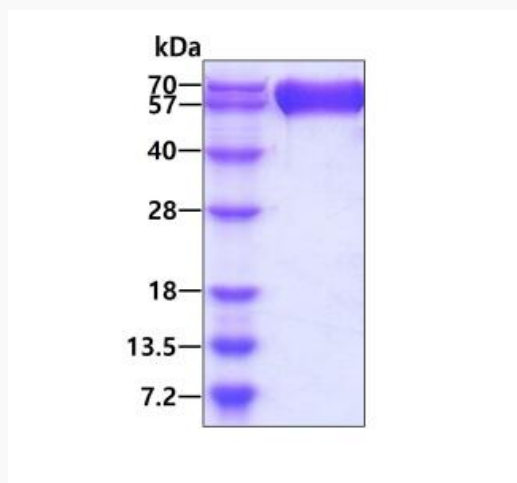
UniProt ID P26842

Biological Activity



Human CD27 Ligand/TNFSF7 is coated at 10 µg/mL (100 µL/well) can bind Human CD27/TNFRSF7. The ED50 range ≤ 0.8 µg/mL.

SDS-PAGE



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3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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