

Active Recombinant Human CD27, Fc-tagged, Biotinylated

Cat. No. CD27-564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human CD27-Fc fusion is expressed as a 400 amino acid protein consisting of Ala20 - Arg191 region of CD27 (UniProt accession #P26842) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	20-191 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand CD70 and inhibits CD70-mediated signaling activities including proliferation of T cells induced by CD70 and anti-CD3 antibody.
Molecular Mass	Calculated molecular mass (kDa): 44.8; Estimated by SDS-PAGE under reducing condition (kDa): 65-70
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below

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–20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name [CD27 CD27 molecule \[Homo sapiens \]](#)

Official Symbol CD27

Synonyms CD27; CD27 molecule; TNFRSF7, tumor necrosis factor receptor superfamily, member 7; CD27 antigen; S152; Tp55; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7; T14; TNFRSF7; MGC20393;

Gene ID [939](#)

mRNA Refseq [NM_001242](#)

Protein Refseq [NP_001233](#)

MIM [186711](#)

UniProt ID [P26842](#)

Chromosome Location 12p13

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem;

Function

cysteine-type endopeptidase inhibitor activity involved in apoptotic process; protein binding; receptor activity; transmembrane signaling receptor activity;

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