

# Active Recombinant Human CD27, Fc-tagged, Biotinylated

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>ProteinLength</b>	20-191 a.a.
<b>Form</b>	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).
<b>Bio-activity</b>	Binds to its ligand CD70 and inhibits CD70-mediated signaling activities including proliferation of T cells induced by CD70 and anti-CD3 antibody.
<b>Molecular Mass</b>	Calculated molecular mass (kDa): 44.8; Estimated by SDS-PAGE under reducing condition (kDa): 65-70
<b>Endotoxin</b>	<0.1 eu per 1 µg of purified recombinant protein determined by the
<b>Purity</b>	>95% judged by SDS-PAGE under reducing condition
<b>Storage</b>	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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