

## Recombinant Human CD27 Molecule, His-tagged

**Cat. No.** CD27-7139H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD27 protein, fused to His-tag at N-terminus, was expressed in E. coli. MW: 21.8 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	21-191aa
<b>Description</b>	TNFRSF7, also known as CD27, 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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
<b>Molecular Mass</b>	21.8 kDa (196aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHTMPAPK SCPERHYWAQ GKLCCQMCEP GTFLVKDCDQ HRKAAQCDPC IPGVSFSPDH HTRPHCESCR HCNSGLLVRN CTITANAECA CRNGWQCRDK ECTECDPLPN PSLTARSSQA LSPHPQPTHL

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PYVSEMLEAR TAGHMQLAD FRQLPARTLS THWPPQRS LC SSDFIR

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**Storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## 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](#)

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<b>Chromosome Location</b>	12p13
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;
<b>Function</b>	cysteine-type endopeptidase inhibitor activity involved in apoptotic process; protein binding; receptor activity; transmembrane signaling receptor activity;

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