

Recombinant Human CD27

Cat. No. CD27-26925TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD27 with N terminal proprietary tag; Predicted MWt 54.34 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	260 amino acids
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.
Molecular Weight	54.340kDa inclusive of tags
Tissue specificity	Found in most T-lymphocytes.
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MARPHPWWLCVLGTLVGLSATPAPKSCPERHYWAQGLCC QMCEPGTFLVKDCD QHRKAAQCDPCIPGVSFSPDHHTRPH CESCRCNSGLLVRNCTITANAECACRNG WQCRDKECTEC DLPNPSLTARSSQALSPHPQPTHLPYVSEMLEARAGHM QTL ADFRQLPARTLSTHWPPQRSCLSSDFIRILVIFSGMF LVFTLAGALFLHQRRKYRSN KGESPVEPAEPCRYSCPREE EGSTIPIQEDYRKPEPACSP
Sequence Similarities	Contains 3 TNFR-Cys repeats.
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;
Gene ID	939
mRNA Refseq	NM_001242
Protein Refseq	NP_001233
MIM	186711
Uniprot ID	P26842

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Chromosome Location	12p13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-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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