

## Recombinant Human CD27 Protein, Fc-tagged

Cat. No. CD27-622H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CD27 protein with Fc tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	260
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	45.9 kDa
<b>AA Sequence</b>	MARPHPWWLCVLGTLVGLSATPAPKSCPERHYWAQGKLCCQMCEPGTFLVKDCD QHRKAAQCDCIPGVSFSPDHHTRPHCESCRHCNSGLLVRNCTITANAECACRNG WQCRDKECTECDPLPNPSLTARSSQALSPHPQPHTLPHYVSEMLEARAGHMQTLA DFRQLPARTLSTHWPPQQRSLCSSDFIRILVIFSGMFLVFTLAGALFLHQRKRYRSNKG

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ESPVEPAEPCHYSCPREEEGSTIPIQEDYRKPEPACSP

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** CD27 CD27 molecule [ Homo sapiens (human) ]

**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;

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Gene ID	939
mRNA Refseq	NM_001242
Protein Refseq	NP_001233
MIM	186711
UniProt ID	P26842

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