

Recombinant Human CD27 Protein, C-His-tagged

Cat. No. CD27-183H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD27 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	CD27 (TNFRSF7) is a transmembrane protein of the TNF receptor superfamily (TNFRSF). It is mainly expressed on lymphoid cells (also on early hematopoietic precursor cells in mice). CD27 is considered a phenotypic marker for memory B cells and is also used to identify B regulatory (Breg) cells. It is constitutively expressed on naïve CD4 and CD8 T cells and its expression is further upregulated upon T cell activation. CD27 is one of the two most important co-stimulatory receptors for T cell priming (the other one is CD28). While CD28 co-stimulatory signal mainly triggers cell proliferation, CD27 co-stimulatory signal primarily promotes cell survival and differentiation. Upon binding to its ligand CD70, CD27 activates the NF-κB and JNK signaling pathways through TNFR associated factors (TRAFs), the adaptor molecules that are associated with CD27 cytoplasmic tail domain. Upon activation CD27 is shed from cell surface and soluble CD27 is used as a marker of T cell activation.
Molecular Mass	~19 kDa
AA Sequence	ATPAPKSCPERHYWAQGKLCCQMCEPGTFLVKDCDQHRKAAQCDPCIPGVVSFSPD HHTRPHCESCRHCNSGLLVNRNCTITANAECACRNGWQCRDKECTECDPLPNPSLT ARSSQALSPHPQPHTLPYVSEMLEARAGHMQTLADFRQLPARTLSTHWPPQQRSL

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	CSSDFIR
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4

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;
Gene ID	939
mRNA Refseq	NM_001242
Protein Refseq	NP_001233

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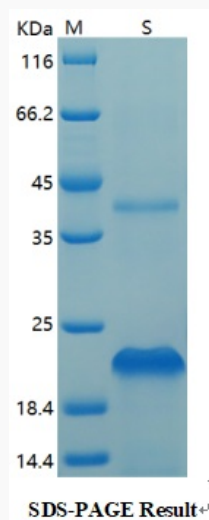
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MIM 186711

UniProt ID P26842

SDS-PAGE



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