

Recombinant Human CD27 protein, His-tagged

Cat. No. CD27-572H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD27 (P26842) aa. (Ser19~Asp188) fused with His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser19~Asp188
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.1kDa; Accurate Molecular Mass: 20kDa as determined by SDS-PAGE reducing conditions.
Purity	>95%

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Characteristic	Isoelectric point is 7.2.
Applications	Cell culture; Activity Assays; In vivo assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	CD27 CD27 molecule [Homo sapiens (human)]
Official Symbol	CD27
Synonyms	CD27; CD27 molecule; T14; S152; Tp55; TNFRSF7; S152. LPFS2; CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7
Gene ID	939
mRNA Refseq	NM_001242.4

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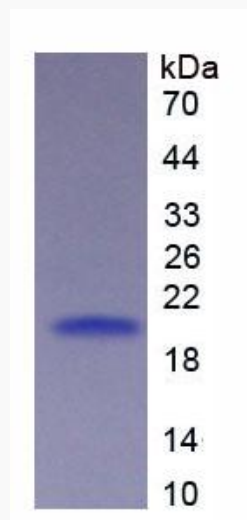
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Protein Refseq NP_001233.1

UniProt ID P26842

SDS-PAGE



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