

Active Recombinant Human CD70 protein, His-Avi-Flag-tagged, Biotinylated

Cat. No. CD70-2986H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD70 protein(Ser 52-Pro 193), fused with His-Avi-Flag tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ser 52-Pro 193
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD27, Fc Tag at 2 μg/mL (100 μL/well) can bind Biotinylated Human CD27 Ligand, His,Avitag,Flag Tag with a linear range of 0.1-4 ng/mL.Serial dilutions of Anti-CD27 Ligand (cusatuzumab) Antibody, Human IgG1 were added into Human CD27, Fc Tag: Biotinylated Human CD27 Ligand, His,Avitag,Flag Tag binding reactions. The half maximal inhibitory concentration (IC50) is 3.05858 μg/mL.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag™) and a flag tag.The protein has a calculated MW of 51.0 kDa. The protein migrates as 47-57 kDa under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per

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	µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD70 CD70 molecule [Homo sapiens]
Official Symbol	CD70
Synonyms	CD70; CD70 molecule; CD27LG, TNFSF7, tumor necrosis factor (ligand) superfamily, member 7; CD70 antigen; CD27L; CD27-L; CD27 ligand; Ki-24 antigen; surface antigen CD70; tumor necrosis factor ligand superfamily member 7; tumor necrosis factor (ligand) superfamily, member 7; CD27LG; TNFSF7;
Gene ID	970
mRNA Refseq	NM_001252
Protein Refseq	NP_001243

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MIM	602840
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UniProt ID	P32970
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