

Active Recombinant Human CD70, His-tagged

Cat. No. CD70-116H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD70, contains the extracellular domain plus an N-terminal His-Tag, was expressed in CHO cells.
Species	Human
Source	CHO
Description	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.
Bio-activity	Determined by its ability to stimulate human IL-8 production by human PBMC using a concentration range of 10.0-25.0 ng/ml. Note: Results may vary with PBMC donors.
AA Sequence	HHHHHHHHPS PGGSGGQRFA QAQQQLPLES LGWDVAELQL NHTGPQQDPR LYWQGGPALG RSFLHGPELD KGQLRIHRDG IYMVHIQVTL AICSSTTASR HHPTTLAVGI CSPASRSISL LRLSFHQGCT IASQRLTPLA RGDTLCTNLT GTLLPSRNTD ETFFGVQWVR P
Purity	Greater than 95% by SDS-PAGE gel and HPLC analyses.

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GENE INFORMATION

Gene Name	CD70 CD70 molecule [Homo sapiens (human)]
Official Symbol	CD70
Synonyms	CD70; CD27L; CD27LG; TNFSF7; CD70 molecule; CD70 antigen; CD27-L; CD27 ligand; Ki-24 antigen; surface antigen CD70; tumor necrosis factor ligand superfamily member 7; tumor necrosis factor (ligand) superfamily, member 7
Gene ID	970
mRNA Refseq	NM_001252
Protein Refseq	NP_001243
MIM	602840
UniProt ID	P32970
Chromosome Location	19p13
Pathway	Cytokine-cytokine receptor interaction
Function	cytokine activity; protease binding; protein binding

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