

## Active Recombinant Human CD70, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD70, contains the extracellular domain plus an N-terminal His-Tag, was expressed in CHO cells.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	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.
<b>Bio-activity</b>	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.
<b>AA Sequence</b>	HHHHHHHPS PGGSGGQRFA QAQQQLPLES LGWDVAELQL NHTGPQQDPR LYWQGGPALG RSFLHGPELD KGQLRIHRDG IYMVHIQVTL AICSSTTASR HHPTTLAVGI CSPASRSISL LRLSFHQGCT IASQRLTPLA RGDTLCTNLT GTLPSRNTD ETFFGVQWVR P
<b>Purity</b>	Greater than 95% by SDS-PAGE gel and HPLC analyses.

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## GENE INFORMATION

<b>Gene Name</b>	CD70 CD70 molecule [ Homo sapiens (human) ]
<b>Official Symbol</b>	CD70
<b>Synonyms</b>	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
<b>Gene ID</b>	970
<b>mRNA Refseq</b>	NM_001252
<b>Protein Refseq</b>	NP_001243
<b>MIM</b>	602840
<b>UniProt ID</b>	P32970
<b>Chromosome Location</b>	19p13
<b>Pathway</b>	Cytokine-cytokine receptor interaction
<b>Function</b>	cytokine activity; protease binding; protein binding

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