

Recombinant Human CD70 protein, His-tagged

Cat. No. CD70-56H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD70, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	CD70, also known as CD70 antigen, is a transmembrane protein in the TNF receptor superfamily. It functions as a co-stimulatory molecule that supports lymphocyte activation and survival. This protein binds to the transmembrane glycoprotein CD27 ligand/CD70 which is expressed on activated B cells, activated T cells, and dendritic cells. Binding of CD70 to its receptor CD27 induces in priming, effector functions, differentiation and memory formation of T cell activation, and thus is proliferation of co-stimulated T cells, as well as the generation of cytolytic T cells.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	18.2kDa (164aa)
AA Sequence	ADPQRFAQAQ QQLPLESLGW DVAELQLNHT GPQQDPRLYW QGGPALGRSF LHGPELDKGQ LRIHRDGIYM VHIQVTLAIC SSTTASRHHP TTLAVGICSP ASRSISLLRL SFHQGCTIAS QRLTPLARGD TLCTNLTGTL LPSRNTDETF FGVQWVRPHH HHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% by SDS - PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	CD70 CD70 molecule [Homo sapiens]
Official Symbol	CD70
Synonyms	CD70; CD70 molecule; CD70 antigen; CD27L; CD27-L; CD27LG; TNFSF7
Gene ID	970
mRNA Refseq	NM_001252
Protein Refseq	NP_001243
MIM	602840
UniProt ID	P32970
Chromosome Location	19p13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

cytokine activity; protease binding; protein binding; receptor binding; tumor necrosis factor receptor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA