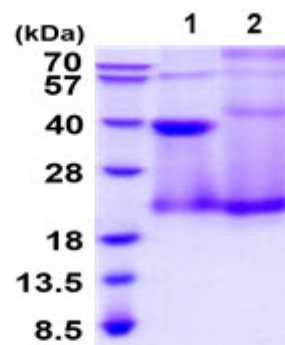


AR52063PU-N

Human CD70 (39-193, His-tag) - Purified

Alternate names:	CD27 ligand, CD27L, CD27LG, TNFSF7, Tumor necrosis factor ligand superfamily member 7
Quantity:	0.25 mg
Concentration:	0.25 mg/ml (determined by absorbance at 280nm)
Background:	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. Recombinant human CD70, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventiol chromatography techniques.
Uniprot ID:	P32970
NCBI:	NP_001243
Species:	Human
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol. Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)
Description:	AA Sequence: ADPQRFAQAQ QQLPLESLGW DVAELQLNHT GPQQDPRLYW QGGPALGRSF LHGPELDKGQ LRIHRDGIYM VHIQVTLAIC SSTASRHHP TTLAVGICSP ASRSISLLRL SFHQGCTIAS QRLTPLARGD TLCTNLTGTL LPSRNTDETF FGVQWVRPHH HHHH Molecular weight: 18.2 kDa (164aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Welten SP., et al. (2013) J. Virol. 87:6851-6865. Polak ME., et al. (2012) J. Invest. Dermatol. 132:1636-1644.

Pictures:



15% SDS-PAGE (3ug)

Lane 1: non-reducing conditions

Lane 2: reducing conditions