

Recombinant Human CD70 protein, His & GST-tagged

Cat. No. CD70-6722H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD70 aa. (Gln47~Val191 (Accession # P32970)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln47~Val191
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.
Form	Freeze-dried powder
Molecular Mass	43kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

 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

Characteristic	The isoelectric point is 6.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CD70 CD70 molecule [Homo sapiens (human)]
Official Symbol	CD70
Synonyms	CD27L; CD27-L; CD27LG; TNFSF7; TNLG8A; CD27 ligand; Ki-24 antigen; surface antigen CD70; tumor necrosis factor ligand 8A; tumor necrosis factor ligand superfamily member 7; CD70 antigen
Gene ID	970
mRNA Refseq	NM_001252.4

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Protein Refseq NP_001243.1

UniProt ID P32970

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