

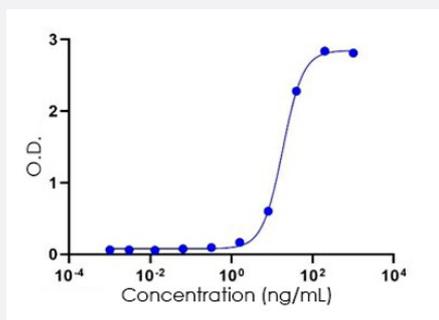
Bioactive

HuPro®

## CD70 (Human) Recombinant Protein

Catalog # P7596      Size 1 mg

### Applications



### Result of bioactivity analysis

Result of bioactivity analysis

### Specification

<b>Product Description</b>	Human CD70 (P32970, 39 a.a. - 193 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cells.
<b>Sequence</b>	QRFAQAQQQLPLESLGWDVAELQLNHTGPQQDPRLYWQGGPALGRSFLHGPELDKGQLRIHRD GYMVHIQVTLAICSSTTASRHPTTLAVGICSPASRSISLLRLSFHQGCTIASQRLTPLARGDTLCTN LTGTLPSRNTDETFFGVQWVRP
<b>Host</b>	Mammals
<b>Theoretical MW (kDa)</b>	53.6
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Purity</b>	> 95% by SDS-PAGE
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by gel clotting method)
<b>Activity</b>	Immobilized CD27 (Mammalian, C-Fc-6His) at 1.0 ug/mL (100 uL/well) can bind CD27 Ligand/CD70, hFc, Human with EC <sub>50</sub> = 18.33 ng/mL when detected by SA-HRP.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water up to 100 ug/mL

**Storage Instruction**

Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

Result of bioactivity analysis  
Result of bioactivity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — CD70

**Entrez GeneID**

[970](#)

**Protein Accession#**

[P32970](#)

**Gene Name**

CD70

**Gene Alias**

CD27L, CD27LG, TNFSF7

**Gene Description**

CD70 molecule

**Omim ID**

[602840](#)

**Gene Ontology**

[Hyperlink](#)

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

CD27 ligand|CD70 antigen|Ki-24 antigen|surface antigen CD70|tumor necrosis factor (ligand) superfamily, member 7|tumor necrosis factor ligand superfamily, member 7

## Pathway

- [Cytokine-cytokine receptor interaction](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Ovarian Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)