

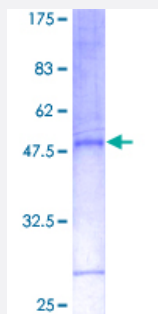
## Full-Length

# CD70 (Human) Recombinant Protein (P01)

Catalog # H00000970-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human CD70 full-length ORF ( AAH00725, 1 a.a. - 193 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                               |
| <b>Sequence</b>                | MPEEGSGCSVRRRPYGCVLRAALVPLVAGLVICLVVCIQRFAQAQQQLPLESLGWDVAELQLNH<br>TGPQQDPRLYWQGGPALGRSFLHGPELDKGQLRIHRDGYMVHIQVTLAICSSTTASRHHPPTLAV<br>GICSPASRSISLLRLSFHQGCTIASQRLTPLARGDTLCTNLGTLLPSRNTDETFFGVQWVRP |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                                                                                                                   |
| <b>Theoretical MW (kDa)</b>    | 46.86                                                                                                                                                                                                   |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                   |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                       |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                             |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                         |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                                                                                                                  |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CD70

Entrez GeneID [970](#)

GeneBank Accession# [BC000725.1](#)

Protein Accession# [AAH00725](#)

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](#)