

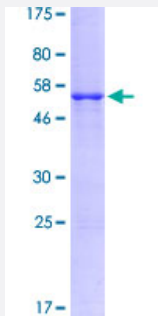
Full-Length

## CD40LG (Human) Recombinant Protein (P01)

Catalog # H00000959-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human CD40LG full-length ORF (AAH74950, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MIETYNQTSPRSAATGLPISMKIFMYLLTVFLITQMIGSALFAVYLHRRLDKIEDERNLHEDFVFMKTI  
QRCNTGERSLSLLNCEEIKSQFEGFVKDIMLNKEETKKENSFEMQKGDQNPQIAAHVISEASSKTT  
SVLQWAEKGYTMSNNLVTLENGKQLTVKRQGLYYIAQVTFCSNREASSQAPFIASLCLKSPGRF  
ERILLRAANTHSSAKPCGQQSIHLGGVFELQPGASVFVNVDPSQVSHGTGFTSFGLLKL

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

55.11

#### Interspecies Antigen Sequence

Mouse (77); Rat (76)

#### Preparation Method

[in vitro wheat germ expression system](#)

#### Purification

Glutathione Sepharose 4 Fast Flow

#### Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

#### Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

#### Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

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 — CD40LG

|                     |                                                                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">959</a>                                                                                                                                                                                                                                                                                |
| GeneBank Accession# | <a href="#">BC074950</a>                                                                                                                                                                                                                                                                           |
| Protein Accession#  | <a href="#">AAH74950</a>                                                                                                                                                                                                                                                                           |
| Gene Name           | CD40LG                                                                                                                                                                                                                                                                                             |
| Gene Alias          | CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L                                                                                                                                                                                                                                  |
| Gene Description    | CD40 ligand                                                                                                                                                                                                                                                                                        |
| Omim ID             | <a href="#">300386</a> <a href="#">308230</a>                                                                                                                                                                                                                                                      |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                          |
| Gene Summary        | The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome. [provided by RefSeq] |
| Other Designations  | CD40 antigen ligand OTTHUMP00000024130 T-B cell-activating molecule TNF-related activation protein tumor necrosis factor (ligand) superfamily member 5                                                                                                                                             |

## Pathway

- [Allograft rejection](#)
- [Asthma](#)

- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Cytokine-cytokine receptor interaction](#)
- [Primary immunodeficiency](#)
- [Systemic lupus erythematosus](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Drug Eruptions](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Immunologic Deficiency Syndromes](#)

- [Infant](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pemphigus](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Severe Combined Immunodeficiency](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Werner syndrome](#)