

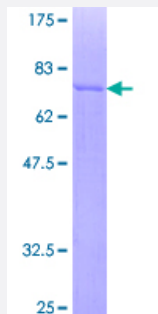
Full-Length

## CD4 (Human) Recombinant Protein (P02)

Catalog # H00000920-P02

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human CD4 full-length ORF ( NP\_000607.1, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

MNRGVPFRLHLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSIQFHWKNSNQIKILGNQG  
SFLTKGPSKLNDRADSRRSLWDQGNFPLIKNLKIEDSDTYCEVEDQKEEVQLLVFGLTANS DTHL  
LQQQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTLVSQLELQDSGTWTCTVLQNQKKVEFKID  
NVLAFQKASSIVYKKEGEQVEFSFPLAFTVEKLTGSGELWWQAERASSSKSWITFDLKNKEVSV  
KRVTQDPKLQMGKKLPLHLTPQALPQYAGSGNLTALAEAKTGKLHQEVNLVVMRATQLQKNLTC  
EVWGPTSPKLMLSLKLENKEAKVSKREKAVVVLNPEAGMWQCLLSDSGQVLLSNIKVLPTWS  
TPVQPMALMLGGVAGLLLFIGLGIFFCVRCRHHRRRQAERMSQIKRLLSEKKTCQCPhRFQKTCSP

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

77.5

#### Interspecies Antigen Sequence

Mouse (56); Rat (54)

#### 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.

|                            |                                                                          |
|----------------------------|--------------------------------------------------------------------------|
| <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 — CD4

|                            |                                            |
|----------------------------|--------------------------------------------|
| <b>Entrez GeneID</b>       | <a href="#">920</a>                        |
| <b>GeneBank Accession#</b> | <a href="#">NM_000616.3</a>                |
| <b>Protein Accession#</b>  | <a href="#">NP_000607.1</a>                |
| <b>Gene Name</b>           | CD4                                        |
| <b>Gene Alias</b>          | CD4mut                                     |
| <b>Gene Description</b>    | CD4 molecule                               |
| <b>Omim ID</b>             | <a href="#">186940</a>                     |
| <b>Gene Ontology</b>       | <a href="#">Hyperlink</a>                  |
| <b>Other Designations</b>  | CD4 antigen CD4 antigen (p55) CD4 receptor |

## Pathway

- [Antigen processing and presentation](#)
- [Cell adhesion molecules \(CAMs\)](#)

- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Occupational Diseases](#)

- [Pregnancy Complications](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Viremia](#)
- [Vitiligo](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)