

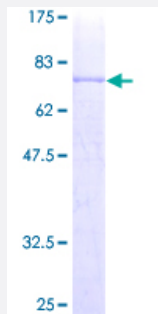
Full-Length

CD4 (Human) Recombinant Protein (P01)

Catalog # H00000920-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CD4 full-length ORF (AAH25782, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNRGVPFRHLLLVLQLALLPAATQGKKVVLGKKGDTVELTCTASQKKSIQFHWKNSNQIKILGNQG
SFLTKGPSKLNDRADSRRLWDQGNFPLIKNLKIEDSDTYCEVEDQKEEVQLLVFGLTANS DTHL
LQGQSLTLTLESPPGSSPSVQCRSPRGKNIQGGKTLVSQLELQDSGTWTCTVLQNQKKVEFKID
IVLAFQKASSIVYKKEGEQVEFSFPLAFTVEKLTGSGELWWQAERASSSKSWITFDLKNKEVSV
KRVTQDPKLQMGKKLPLHLTLPQALPQYAGSGNLTALAEAKTGKLGHEVNLVVMRATQLQKNLTC
EVWGPTSPKLMLSLKLENKEAKVSKREKAVVVLNPEAGMWQCLLSDSGQVLLSNIKVLPTWS
TPVQPMALMLGGVAGLLLFGLGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCQCPhRFQKTCSP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.12

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.

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 — CD4

Entrez GeneID	920
GeneBank Accession#	BC025782
Protein Accession#	AAH25782
Gene Name	CD4
Gene Alias	CD4mut
Gene Description	CD4 molecule
Omim ID	186940
Gene Ontology	Hyperlink
Other Designations	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](#)