

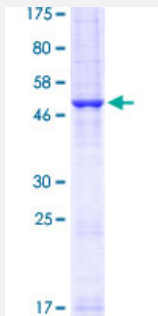
Full-Length

CD80 (Human) Recombinant Protein (P03)

Catalog # H00000941-P03

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CD80 full-length ORF (NP_005182.1, 35 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

VIHVTKEVKEVATLSCGHNVSV EELAQTRIWWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSI
VILALRPSDEGTYESVVLKYEKDAFKREHLAEVTL SVKADFPTPSISDFEIPTSNIRRIICSTSGGFPE
PHLSWLENGEELNAINTVSQDPETELYAVSSKLDFNMTTNHSMCLIKYGHRLRVNQTFNWNTTK
QEHPDNLPSWAITLISVNGIFVICCLTYCFAPRCRERRRNERLRRESVRPV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.34

Interspecies Antigen Sequence

Mouse (47)

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 — CD80

Entrez GeneID [941](#)

GeneBank Accession# [NM_005191.2](#)

Protein Accession# [NP_005182.1](#)

Gene Name CD80

Gene Alias CD28LG, CD28LG1, LAB7

Gene Description CD80 molecule

Omim ID [112203](#)

Gene Ontology [Hyperlink](#)

Gene Summary The B-lymphocyte activation antigen B7-1 (formerly referred to as B7) provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 (MIM 186760) and CTLA4 (MIM 123 890) ligands of T cells.[supplied by OMIM]

Other Designations B-lymphocyte activation antigen B7|CD80 antigen|CD80 antigen (CD28 antigen ligand 1, B7-1 antigen)|costimulatory factor CD80|costimulatory molecule variant IgV-CD80

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)

- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Infant](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)

- [Viremia](#)
- [Werner syndrome](#)