

HuPro®

CD80 (Human) Recombinant Protein

Catalog # H00000941-H03

Size 25 ug

Specification

Product Description	Purified CD80 (NP_005182.1, 35 a.a. - 242 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293H cells
Sequence	VIHVTKEVKEVATLSCGHNVSV EELAQTRIWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSI VILALRPSDEGTYECVVLKYEKDAFKREHLAEVTLVKADFPTPSISDFEIPTSNIRRIICSTSGGFPE PHLSWLENGEELNAINTTVSQDPETELYAVSSKLDFNMTTNHSMCLIKYGHRLRVNQTFNWNTTK QEHFPDN
Host	Human
Theoretical MW (kDa)	28.16
Interspecies Antigen Sequence	Mouse (52)
Form	Liquid
Preparation Method	Transfection of pSuper-CD80 plasmid into HEK293H cell, and the expressed protein was purified by <i>Strep</i> -Tactin affinity column.
Purification	<i>Strep</i> -Tactin affinity columns
Concentration	≥ 10 ug/ml
Storage Buffer	100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, and 5 mM desthiobiotin.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE
- Protein Interaction

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](#)