

Bioactive

HuPro®

CD80 (Human) Recombinant Protein

Catalog # P7560

Size 50 ug

Specification

Product Description	Human CD80 (P33681, 35 a.a. - 242 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cell.
Sequence	VIHVTKEVKEVATLSCGHNVSVLELAQTRIWQKEKKMVLTMMSGDMNIWPEYKNRTIFDITNNLSI VILALRPSDEGTYECVVLKYEKDAFKREHLAEVTLVKADFPTPSISDFEIPTSNIRRIICSTSGGFPE PHLSWLENGEELNAINTTVSQDPETELYAVSSKLDFNMTTNHSFMCLIKYGHRLRVNQTFNWNNTTK QEHFPDN
Host	Mammals
Theoretical MW (kDa)	75-80
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.2 EU per 1 ug of protein (determined by gel clotting method)
Activity	Immobilized CTLA-4, hFc, Human at 2.0 ug/mL (100 uL/well) can bind biotinylated B7-1/CD80, hFc, Human. Immobilized CD28, hFc, Human at 2.0 ug/mL (100 uL/well) can bind biotinylated B7-1/CD80, hFc, Human.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD80

Entrez GeneID	941
Protein Accession#	P33681
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 an tigen) 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](#)