HuPro®

CD28 (Human) Recombinant Protein

Catalog # H00000940-H02 Size 2 ug

Specification

Product Description	Purified CD28 (NP_006130.1, 18 a.a. - 152 a.a.) human recombinant protein with His-Flag-StrepII tag at N-terminus expressed in human cells.
Transfected Cell Line	Human HEK293H cells
Sequence	GNKILVKQSPMLVAYDNAVNLSCKYSYNLFSREFRASLHKGLDSAVEVCVVYGNYSQQLQVYSKT GFNCDGKLGNESVTFYLQNLYVNQTDIYFCKIEVMYPPPYLDNEKSNGTIIHVKGKHLCPSPLFPGP SKP
Host	Human
Theoretical MW (kDa)	20.13
Interspecies Antigen Sequence	Mouse (70)
Form	Liquid
Preparation Method	Transfection of pSuper-CD28 plasmid into HEK293H cell, and the expressed protein was purified by *Strep*-Tactin affinity column.
Purification	*Strep*-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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- SDS-PAGE
- Protein Interaction

Gene Info — CD28

Entrez GeneID	940
GeneBank Accession#	NM_006139.3
Protein Accession#	NP_006130.1
Gene Name	CD28
Gene Alias	MGC138290, Tp44
Gene Description	CD28 molecule
Omim ID	186760
Gene Ontology	Hyperlink
Gene Summary	CD28 costimulation is essential for CD4 (MIM 186940)-positive T-cell proliferation, survival, interl eukin-2 (IL2; MIM 147680) production, and T-helper type-2 (Th2) development.[supplied by OMIM
Other Designations	CD28 antigen|CD28 antigen (Tp44)|T-cell-specific surface glycoprotein

Pathway

- Allograft rejection
- Autoimmune thyroid disease
- Cell adhesion molecules (CAMs)
- Graft-versus-host disease
- Systemic lupus erythematosus
- T cell receptor signaling pathway
- Type I diabetes mellitus

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Disease

- Acute Disease
- Arthritis
- Asthma
- Behcet Syndrome
- Bronchiolitis
- Carcinoma
- Celiac Disease
- Cholangitis
- Colon cancer
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- Drug Eruptions
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hepatitis C
- Hodgkin Disease
- Hypersensitivity
- Infant
- Kidney Failure
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Lymphoproliferative Disorders

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Malignant melanoma
- Multiple Myeloma
- Multiple Sclerosis
- Occupational Diseases
- Pemphigus
- Respiratory Syncytial Virus Infections
- Stroke
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.