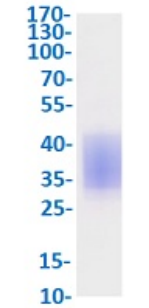
Bioactive HuPro®

CD28 (Human) Recombinant Protein

Catalog # P6745 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CD28 (NP_006130.1, 19 a.a. - 152 a.a.) partial recombinant protein with a 6xHis tag at the C-terminus expressed in HEK293 cells.
Host	Human
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Ni-sepharose purification
Purity	> 97% (determined by SDS-PAGE)
Endotoxin Level	< 0.1 EU/ug of protein (determined by LAL method)

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Activity	Measured by the binding ability in a functional ELISA. Immobilized recombinant human CD28 at 10 u g/mL (100 uL/well) can bind biotinylated human CD86 with a linear range of 3-12 ug/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Storage Instruction	Store at -80°C on dry atmosphere, lyophilized antibodies are stable at least 2 years. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- SDS-PAGE

Gene Info — CD28

Entrez GeneID	940
Protein Accession#	P10747
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

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- 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

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

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- Hypersensitivity
- Infant
- Kidney Failure
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Multiple Myeloma
- Multiple Sclerosis
- Occupational Diseases
- Pemphigus
- Respiratory Syncytial Virus Infections
- Stroke
- Uterine Cervical Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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