Product datasheet for TP310364

PD1 (PDCD1) (NM_005018) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human programmed cell death 1 (PDCD1)
Species: Human
Expression Host: HEK293T
Tag: C-Myc/DDK
Predicted MW: 29.2 kDa
Concentration: >50 ug/mL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
RefSeq: NP_005009
Locus ID: 5133
RefSeq Size: 2115
Cytogenetics: 2q37.3
RefSeq ORF: 864
Synonyms: CD279; hPD-1; hPD-l; hSLE1; PD-1; PD1; SLEB2
Summary: This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transmembrane
Protein Pathways: Cell adhesion molecules (CAMs), T cell receptor signaling pathway

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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