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32-13358: PDCD1 Human

Alternative Name :	Programmed Cell Death 1, Systemic Lupus Erythematosus Susceptibility 2, Protein PD-1, HPD-1, PD1, Programmed Cell Death 1 Protein, Programmed Cell Death Protein 1, CD279 Antigen, CD279, HPD-L, HSLE1, SLEB2, PD-1.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
PDCD1 is a cell surface membrane protein of the immunoglobulin superfamily. PDCD1 is expressed in pro-B-cells and is thought to have a role in their differentiation. In mice, expression of PDCD1 gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for the PDCD1 gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that the PDCD1 gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases.
PDCD1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 392 amino acids (21-170a.a.) and having a molecular mass of 44.0kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).PDCD1 is expressed with a 239 amino acids hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	PDCD1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPPGWFLDS PDRPWNPPTF SPALLVVTEG DNATFTCSFS NTSESFVLNW YRMSPSNQTD KLAAFPEDRS QPGQDCRFRV TQLPNGRDFH MSVVRARRND SGTYLCGAIS LAPKAQIKES LRAELRVTER RAEVPTAHPS PSPRPAGQFQ TLVLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.