

32-13787: PDCD1 Human, Active

Format : The PDCD1 solution (0.5mg/1ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Alternative Name : Programmed cell death protein 1, CD279, hPD-1, SLEB2, hPD-I, hSLE1, PD-1, PD1, PDCD1.

Description

Source:HEK293 Cells.

Physical Appearance:Sterile filtered colorless solution.

Biological ActivityMeasured by its binding ability in a functional ELISA with Human PD-L1/B7-H1

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 HEK293 Cells is a single, glycosylated polypeptide chain containing 383 amino acids (21-170 a.a) and having a molecular mass of 42.9kDa.PDCD1 is fused to a 233 amino acid hIgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 20 µg / 5 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

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 : PGWFLDSPDR PWNPPTFSPA LLVVTEGDNA TFTCSFSNTS ESFVLNWYRM SPSNQTDKLA AFPEDRSQPG QDCRFRVTQL PNGRDFHMSV VRARRNDSGT YLCGAISLAP KAIKESLRA ELRVTERRAE VPTAHPSPSP RPAGQFQTLV LEPKSCDKTH TCPPCAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTKSLSLS PGK