Recombinant Mouse Programmed Cell Death 1 Ligand 1 is produced by our Mammalian expression system and the target gene encoding Phe19-Thr238 is expressed with a Fc tag at the C-terminus.

**Accession #:** Q9EP73  
**Known as:** Programmed cell death 1 ligand 1Cd274, programmed cell death 1 ligand 1,PD-L1,PDCD1 ligand 1,programmed death ligand 1,B7 homolog 1,B7-H1,CD274,

**FORMULATION**  
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**SHIPPING**  
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

**STORAGE**  
Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**RECONSTITUTION**  
Always centrifuge tubes before opening. Do not mix by vortex or pipetting. 
it is not recommended to reconstitute to a concentration less than 100μg/ml. 
Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**QUALITY CONTROL**  
Purity: greater than 95% as determined by reducing SDS-PAGE  
Endotoxin: Less than 0.1 ng/μg (1 IEU/μg)

**AMINO ACID SEQUENCE**
FTITAPKDLVVEYGSNVTMECRFPVERELDLLALVYYWEKEDEQVIQFVAGEEDLKPQHNSFRGRASLPKDLLKGAALQIT  
DVKLQDAGVYCCISYGGADYKRITLKKNAPYRKNRISVDPATSEHELICQAEGYPEAEVIWTNSDHQPYSKGRSVTTSRTEG  
MLLNVTLSSRVRNANDVFYCTFWRSQPGQNHTAEELIPELPATQPESportsformB7DCDTHCPCAPPELGG  
PSVFLQPKDTLMISRTPICEVVDVSHEDPEVKFNWYGVEDVHNAKTKPREEQYNSTVYVSSLTVLHQLWGKEY  
KCKVSNKALPAPIETKSKAKGQPREPQVYTLPSREEMTKKNQVSLTCVGLKGFYPDSIAVEWNGQPPENNYKTTPVLEDSDGG  
FFLYSKLTVDKSRWQGNVFSCVVMHEALHNYTQKSLSPGK

**BACKGROUND**  
Mouse Programmed cell death 1 ligand 1(Cd274 , PD-L1), is a member of the growing B7 family of immune proteins. It involved in the costimulatory signal essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production. B7-H1 has been identified as one of two ligands for programmed death1 (PD1), a member of the CD28 family of immunoreceptors. B7-H1 is constitutively expressed in several organs such as heart, skeletal muscle B7-H1 expression is upregulated in a small fraction of activated T and B cells and a much larger fraction of activated monocytes. The costimulatory function of B7-H1 is critical for enhancing maturation and differentiation of T-cells in lymphoid organs. B7-H1 expression is also induced in dendritic cells and keratinocytes after IFN gamma stimulation. Interaction of B7-H1 with PD1 results in inhibition of TCR-mediated proliferation and cytokine production. The B7-H1:PD1 pathway is involved in the negative regulation of some immune responses and may play an important role in the regulation of peripheral tolerance.

**DESCRIPTION**  
Recombinant Mouse PD-L1/B7-H1/CD274 (C-Fc)  
Catalog # C189  
Derived from Human Cells