

## Recombinant Human PDCD1LG2 Protein

**Cat. No.** PDCD1LG2-715H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human PDCD1LG2 protein without tag was expressed in HEK293.                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 273                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Involved in negative regulation of activated T cell proliferation; negative regulation of interferon-gamma production; and negative regulation of interleukin-10 production. Predicted to be located in plasma membrane. Predicted to be active in external side of plasma membrane. Biomarker of pulmonary tuberculosis. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 23.4 kDa                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MIFLLLMLSLELQLHQIAALFTVTVPKELYIIEHGSNVTLECNFDTGSHVNLGAITASLQ<br>KVENDTSPHRERATLLEEQLPLGKASFHIPQVQVRDEGQYQCIIYGVAWDYKYLT<br>VKASYRKINTHILKVPETDEVELTCQATGYPLAEVSWPNVSV PANTSHSRTPEGLYQ<br>VTSVLR LKPPPGRNFSCVFWNTHVRELT LASIDLQSQMEPRTHPTWLLHIFIPFCIIAF<br>IFIATVIALRKQLCQKLYSSKDTTKRPVTTTKREVNSAI                         |
| <b>Purity</b>           | > 98%                                                                                                                                                                                                                                                                                                                     |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | WB; ELISA; FACS; FC                                                                                                                                                                                                                                                         |
| <b>Stability</b>      | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                                                                      |
| <b>Storage</b>        | At -20 centigrade.                                                                                                                                                                                                                                                          |
| <b>Concentration</b>  | 1 mg/mL                                                                                                                                                                                                                                                                     |
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution.                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PDCD1LG2 programmed cell death 1 ligand 2 [ Homo sapiens (human) ]                                                                                                                                                                                                   |
| <b>Official Symbol</b> | PDCD1LG2                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | PDCD1LG2; programmed cell death 1 ligand 2; B7 dendritic cell molecule; B7 DC; bA574F11.2; Btdc; CD273; PD L2; PDL2; B7-DC; PD-1 ligand 2; PD-1-ligand 2; PDCD1 ligand 2; butyrophilin B7-DC; programmed death ligand 2; B7DC; PD-L2; PDCD1L2; MGC142238; MGC142240; |
| <b>Gene ID</b>         | 80380                                                                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_025239                                                                                                                                                                                                                                                            |

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|----------------|-----------|
| Protein Refseq | NP_079515 |
| MIM            | 605723    |
| UniProt ID     | Q9BQ51    |

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