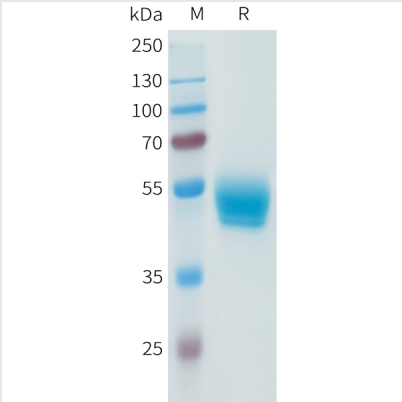
PD-L1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	PD-L1, Recombinant Protein
Full Product Name	Human PD-L1 (128-238) Protein, hFc Tag
Product Gene Name	PD-L1 recombinant protein
Product Synonym Names	B7-H; B7H1; PDL1; CD274; hPD-L1; PDCD1L1; PDCD1LG1; Recombinant human PD-L1 (128-238) Protein with C-terminal human Fc tag
Sequence	PD-L1 (Val128-Ar g238) hFc (Glu99-Ala 330)
Host	HEK293
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Molecular Weight	33,275 Da
OMIM	605402
3D Structure	ModBase 3D Structure for Q9NZQ7
Tag	C-Human Fc
Product Categories/Family for PD-L1 recombinant protein	ECD Proteins
Related Product Information for PD-L1 recombinant protein	This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]
Other Notes	Small volumes of PD-L1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PD-L1 purchase	MBS1884081 is a recombinant protein targeting PD-L1. Also known as Human PD-L1 (128-238) Protein, hFc Tag. Host: HEK293.



SDS-PAGE of PD-L1 recombinant protein

Figure 1. Human PD-L1(128-238) Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PD-L1. It may not necessarily be applicable to this product.

NCBI GI #	390979639
NCBI GeneID	29126
NCBI Accession #	NP_001254635.1
UniProt Primary Accession #	Q9NZQ7
UniProt Secondary Accession #	Q14CJ2; Q2V8D5; Q66RK1; Q6WEX4; Q9NUZ5; B2RBA2; B4DU27
UniProt Related Accession #	Q9NZQ7
GenBank Nucleotide #	NM_001267706.1
NCBI Official Full Name	programmed cell death 1 ligand 1 isoform b
NCBI Official Synonym Full Names	CD274 molecule
NCBI Official Symbol	CD274
NCBI Official Synonym Symbols	B7-H; B7H1; PDL1; PD-L1; PDCD1L1; PDCD1LG1
UniProt Protein Name	Programmed cell death 1 ligand 1
UniProt Synonym Protein Names	B7 homolog 1
UniProt Gene Name	CD274
UniProt Synonym Gene Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7-H1
UniProt Entry Name	PD1L1_HUMAN
NCBI Protein Information	programmed cell death 1 ligand 1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1

UniProt Comments for PD-L1	CD274: Involved in the costimulatory signal, essential for T- cell proliferation and production of IL10 and IFNG, in an IL2- dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production. Belongs to the immunoglobulin superfamily. BTN/MOG family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 9p24 Cellular Component: plasma membrane; integral to membrane; endomembrane system; external side of plasma membrane Molecular Function: protein binding Biological Process: regulation of activated T cell proliferation; cell surface receptor linked signal transduction; negative regulation of interleukin-10 production; negative regulation of interferon-gamma production; negative regulation of activated T cell proliferation; T cell costimulation; immune response; positive regulation of T cell proliferation; signal transduction
Research Articles on PD-L1	**1.** Upregulation of B7-H1 in gastric cancer tissue correlated with disease progression and prognosis of gastric cancer patients.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/pd-l1/1884081