

RPA788Ra01 100µg

Recombinant Programmed Cell Death Protein 1 Ligand 1 (PDCD1LG1)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: E. coli

Residues: Ser34~Val241

Tags: Two N-terminal Tags, His-tag and GST-tag

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM

EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification;

Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 8.2

Predicted Molecular Mass: 53.7kDa

Accurate Molecular Mass: 64kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

- 1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.



- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

SNVTMEC RFPVEQKLDL
LALVVYWEKE DKEVIQFVEG EEDLKPQHSS FRGRAFLPKD QLLKGNAVLQ
ITDVKLQDAG VYCCMISYGG ADYKRITLKV NAPYRKINQR ISMDPATSEH
ELMCQAEGYP EAEVIWTNSD HQSLSGETTV TTSQTEEKLL NVTSVLRVNA
TANDVFHCTF WRVHSGENHT AELIIPELPV PRLPHNRTHW V

[IDENTIFICATION]

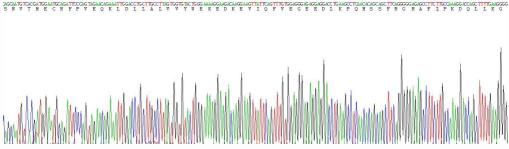


Figure 1. Gene Sequencing (Extract)

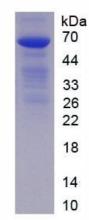


Figure 2. SDS-PAGE