

## Recombinant Human PDCD1 protein, His-SUMO-tagged

**Cat. No.** PDCD1-4409H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PDCD1 protein(Q15116)(21-170aa), fused to N-terminal His-SUMO tag, was expressed in E. coli                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 21-170aa                                                                                                                                                                                                                              |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 32.8 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | PGWFLDSPDRPWNPPTFSPALLVTEGDNATFTCSFSNTSESVLNWYRMSPSNQ<br>TDKLAAFPEDRSQPGQDCRFRVTQLPNGRDFHMSVVRARRNDSGTYLCGAISLAP<br>KAQIKESLRAELRVTERRAEVPTAHPSPSPRPAGQFQTLV                                                                          |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

**GENE INFORMATION**

|                  |                                                |
|------------------|------------------------------------------------|
| <b>Gene Name</b> | PDCD1 programmed cell death 1 [ Homo sapiens ] |
|------------------|------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | PDCD1 |
|------------------------|-------|

|                 |                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I; |
|-----------------|-----------------------------------------------------------------------------------------------------------------------|

|                |      |
|----------------|------|
| <b>Gene ID</b> | 5133 |
|----------------|------|

|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_005018 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_005009 |
|-----------------------|-----------|

|            |        |
|------------|--------|
| <b>MIM</b> | 600244 |
|------------|--------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | Q15116 |
|-------------------|--------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA