



## Recombinant Mouse PD-1 Fc-Fusion Protein

Cat No: Pr00152-1.9

### Product Summary

**Description:** Recombinant mouse PD-1 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

**Protein:** Mouse PD-1

**Fc domain:** Mouse IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Mouse

**Construct Design Note(s):** The extracellular domain of PD-1 has been fused to the Fc domain of mouse IgG1.

**Host:** HEK293

**UniProt Accession Number:** Q02242

**Alternative Description:** Programmed cell death protein 1; PD-1; CD279; PD-1-Ig; PD-1-Fc chimera; PD-1 (Fc tag)

**Published Application(s):**

**Tested Applications(s):**

**Activity:** Inhibitory cell surface receptor involved in the regulation of T-cell function during immunity and tolerance. Upon ligand binding, inhibits T-cell effector functions in an antigen-specific manner. Possible cell death inducer, in association with other factors (by similarity) [Uniprot].

### Product Form

**Purification:** IMAC purified

**Supplied in:** 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

**Endotoxin:** <1.0 EU/mg

**Shipping:** The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

**Storage Recommendation:** Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

**SDS PAGE Purity:** >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

**Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals**

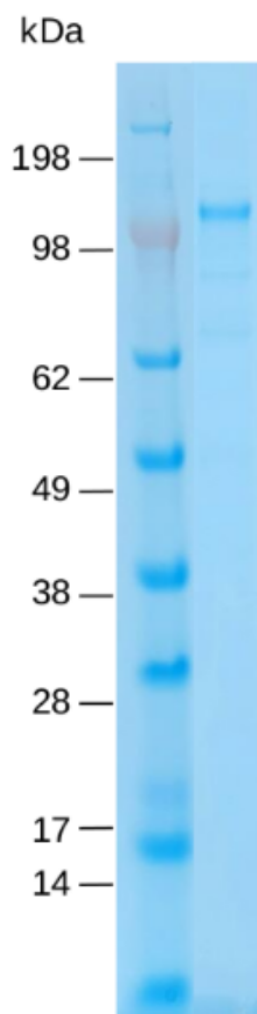
**Fc-Fusion Sequence (monomer)**

QSGWLLEVPNGPWRS<sup>LT</sup>FYPAWLTVSEGANATFTCSLSN<sup>WSE</sup>DLMLNWNRLSPSNQTEKQAAFCNGLSQPVQDARF  
QIIQLPNRHDFHMNILDTRRND<sup>SGI</sup>YLCGAISLHPKAKIEESPGAELVVTERILETSTRYPSPSPKPEGRFQGGGGGSVP  
RDQGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVT<sup>CVV</sup>DISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRS  
VSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQ  
WNGQPAENYKNTQPIMDTDGSYFVYSKLN<sup>VQ</sup>KS<sup>NWE</sup>AGNTFTCSVLHEGLH<sup>HHH</sup>HTEKSLSHSPGK<sup>HHHHH</sup>

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

**Calculated Molecular weight (dimer):** 86865 Da

**Extinction coefficient:** 132510 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



**PD-1 (Pr00152-1.9) SDS-PAGE.** Pr00152-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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