



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

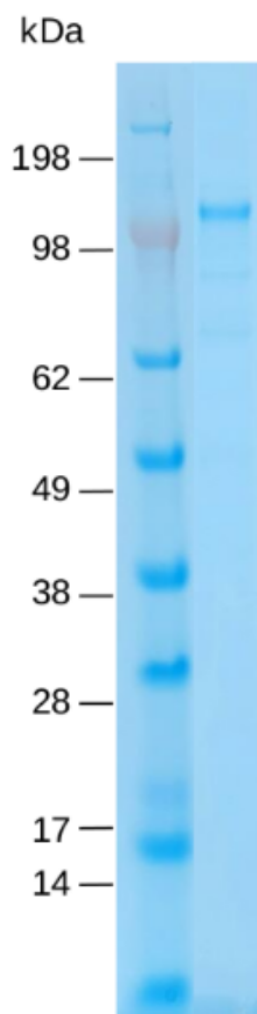
Fc-Fusion Sequence (monomer)

QSGWLLEVPNGPWRS~~LT~~FYPAWLTVSEGANATFTCSLSN~~W~~SEDLMLNWNRLSPSNQTEKQAAFCNGLSQPVQDARF
QIIQLPNRHDFHNMILDTRRND~~SGI~~YLCGAISLHPKAKIEESPGAELV~~TER~~ILETSTRYPSPSPKPEGRFQGGGGGSVP
RDQGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVT~~CV~~VVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRS
VSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQ
WNGQPAENYKNTQPIMDTDGSYFVYSKLN~~V~~QKSNWEAGNTFTCSVLHEGLH~~N~~HHHTEKSLSHSPGKHHHHHH

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.