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# Recombinant Mouse IL-10 Protein(His Tag)

Catalog Number: PDMM100238

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

**Species** Mouse

Source HEK293 Cells-derived Mouse IL-10 protein Ser19-Ser178, with an C-teminal His

 Calculated MW
 17.4 kDa

 Observed MW
 38 kDa

 Accession
 P18893

Bio-activity Not validated for activity

#### **Properties**

**Purity** > 95% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -

80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

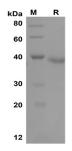
Formulation Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

#### Data



SDS-PAGE analysis of Mouse IL-10 proteins, 2µg/lane of Recombinant Mouse IL-10 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 38 kDa

### **Background**

Mouse II10 is the prototypic member of the IL-10 cytokine family, including IL-10, IL-19, IL-20, IL-22 (IL-TIF), IL-24 and IL-26. Many viruses encode viral members of the IL-10 family, such as Epstein-Barr virus (EBV) and human cytomegalovirus (HCMV). Its main function is inhibiting the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. Although human and mouse IL-10 are 81% identical at the nucleotide and amino acid level, mouse IL-10 is species-specific and does not act on human cells. Interestingly, Human IL-10 is active on mouse cells.

## For Research Use Only

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