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# Recombinant Rat CD48/SLAMF2 Protein(His Tag)

Catalog Number: PDMR100071

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

#### Description

Species Rat

Source HEK293 Cells-derived Rat CD48/SLAMF2 proteins Phe23-Ser217, with an C-

terminal His

Calculated MW21.3 kDaObserved MW35-40 kDaAccessionP10252

Bio-activity Not validated for activity

#### **Properties**

**Purity** > 90% 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

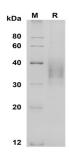
Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5%

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 Rat CD48/SLAMF2 proteins, 2 µg/lane of Recombinant Rat CD48/SLAMF2 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 35-40 KD

## **Background**

Cluster of Differentiation 48 (CD48), also known as SLAMF2, BCM-1 and BLAST-1, is a GPI-linked protein belonging to the CD2 subfamily of immunoglobulin superfamily molecules. CD2 and 2B4 (CD244) are known ligands for CD48. CD48 protein is expressed on most lineage-committed hematopoietic cells but not on hematopoietic stem cells or multipotent hematopoietic progenitors. CD48 protein performs biological functions in a variety processes including adhesion, pathogen recognition, cellular activation, and cytokine regulation, and emerges as a critical effector molecule in immune responses.

### For Research Use Only

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