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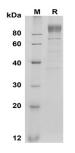
Recombinant Mouse G-CSF R/CD114 Protein(His Tag)

Catalog Number: PDMM100175

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

Description	
Species	Mouse
Source	Mammalian-derived Mouse G-CSF R/CD114 proteins Cys26-Asp626, with an C-
	terminal His
Calculated MW	66 kDa
Observed MW	90-100 kDa
Accession	P40223
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 $< -20^{\circ}$ C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μ m 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 G-CSF R/CD114 proteins, 2 µg/lane of Recombinant Mouse G-CSF R/CD114 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 90-100 KD

Background

The Granulocyte Colony-Stimulating Factor (G-CSF) receptor, a member of the hematopoietin cytokine receptor superfamily, functions as a homodimer and requires the recruitment of cytosolic protein tyrosine kinases (PTKs) to transduce its signal.