Mouse G-CSF R/CD114 Protein

Cat. No. GSR-MM101

Description

Source	Recombinant Mouse G-CSF R/CD114 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Cys26-Asp626.
Accession	P40223
Molecular Weight	The protein has a predicted MW of 68.47 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

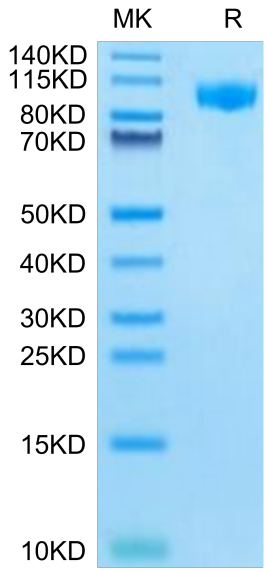
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



Mouse G-CSF R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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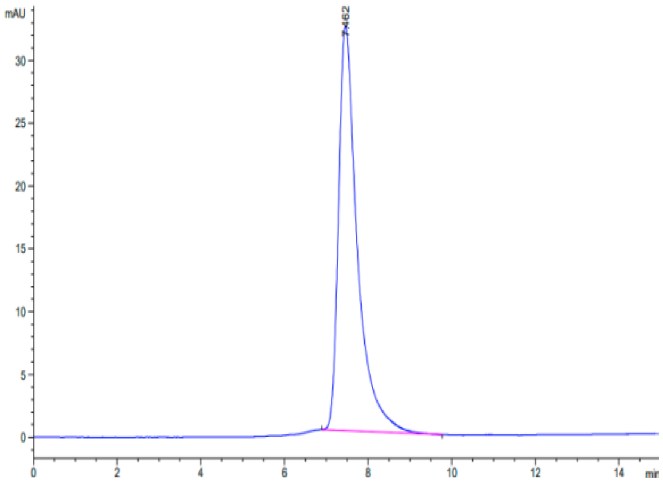
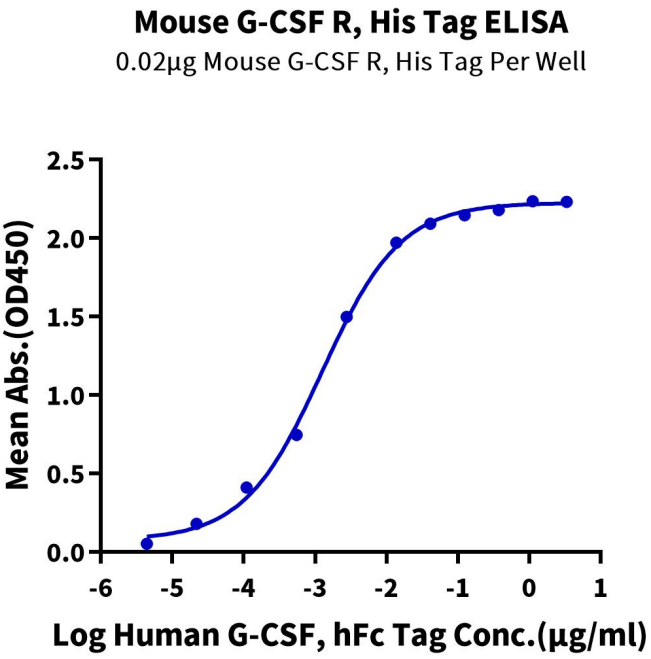
Assay Data



The purity of Mouse G-CSF R is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Mouse G-CSF R, His Tag at 0.2μg/ml (100μl/well) on the plate. Dose response curve for Human G-CSF, hFc Tag with the EC50 of 1.2ng/ml determined by ELISA.