Human M-CSF R/CSF1R/CD115 Protein

HA210098

Product name:	Human M-CSF R/CSF1R/CD115 Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human M-CSF R/CSF1R/CD115 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Ile20-Glu512.
Background:	CSF1R also known as M-CSF receptor, the product of the c-fms proto-oncogene, is a member of the type III subfamily of receptor tyrosine kinases that also includes receptors for SCF and PDGF. These receptors each contain five immunoglobulin-like domains in their extracellular domain (ECD) and a split kinase domain in their intracellular region.CSF1R is tyrosine-protein kinase that acts as cell-surface receptor for CSF1 and IL34 and plays an essential role in the regulation of survival, proliferation and differentiation of hematopoietic precursor cells, especially mononuclear phagocytes, such as macrophages and monocytes.
Purity:	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1EU per μg by the LAL method.
Source:	HEK293
Accession:	P07333-1
Predicted molecular mass:	The protein has a predicted MW of 57.4 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Tris-Bis PAGE result.
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 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Images

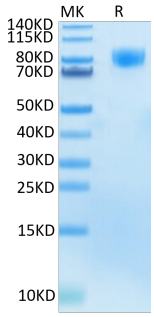


Fig1: Human M-CSF R Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

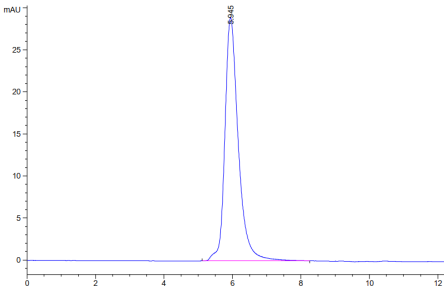


Fig2: The purity of Human M-CSF R is greater than 95% as determined by SEC-HPLC.

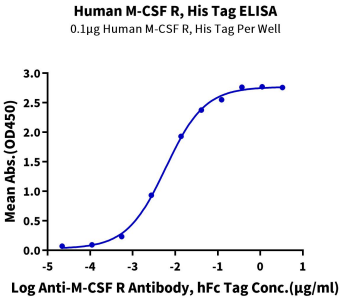


Fig3: Immobilized Human M-CSF R, His Tag at 1μg/ml (100μl/Well). Dose response curve for Anti-M-CSF R Antibody, hFc Tag with the EC50 of 6.0ng/ml determined by ELISA.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".