

## Recombinant human CSF1R protein, C-His-Avi (HEK293)

Catalog Number: bs-47078P

Concentration: >0.5 mg/ml

AA Seq: 20-512/972

Predicted MW: 57.4

Detected MW: Due to glycosylation, the protein migrates to 75-105 kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

Purification: AC

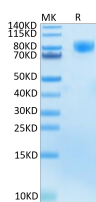
Form: Lyophilized

Storage: Lyophilized from 0.22μm filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

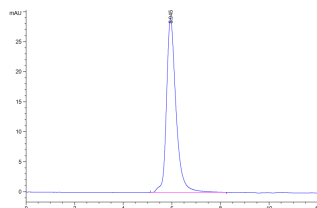
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** This protein tyrosine kinase transmembrane receptor is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a member of the CSF1/PDGF receptor family of tyrosine protein kinases and contains 5 immunoglobulin like C2 type domains. CD115 is expressed by cells of the monocytic lineage and by progenitor cells. Mutations in this gene have been associated with a predisposition to myeloid malignancy.

### VALIDATION IMAGES



Human CSF1R pn Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human CSF1R is greater than 95% as determined by SEC-HPLC.