

Datasheet for ABIN5526647

CSF1R Protein (AA 99-596) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CSF1R
Protein Characteristics:	AA 99-596
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSF1R protein is labelled with Fc Tag.

Product Details

Sequence:	AA 99-596
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 81.9 kDa. As a result of glycosylation, the protein migrates as 110-125 kDa under reducing (R) condition, and 200- 240 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CSF1R
Alternative Name:	M-CSF R (CSF1R Products)
Background:	Colony stimulating factor 1 receptor (CSF1R) is also known as macrophage colony-stimulating factor receptor (M-CSFR), CD115 Cluster of Differentiation 115 (CD115), C-FMS, CSFR, FIM2,

Target Details

FMS, and is a member of the typeIII subfamily of receptor tyrosine kinases (RTKs). CSF1R is a receptor for a cytokine called colony stimulating factor 1, The protein encoded by the CSFR1 gene 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 CSFR1 through a process of oligomerization and transphosphorylation . Mutations in CSF1R are associated with chronic myelomonocytic leukemia and type M4 acute myeloblastic leukemia. Increased levels of CSF1R1 are found in microglia in Alzheimer's disease and after brain injuries. The increased receptor expression causes microglia to become more active. Both CSF1R, and its ligand colony stimulating factor 1 play an important role in the development of the mammary gland and may be involved in the process of mammary gland carcinogenesis.

Molecular Weight: 81.9 kDa

UniProt: [G7P8P1](#)

Pathways: [RTK Signaling](#), [Inositol Metabolic Process](#), [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

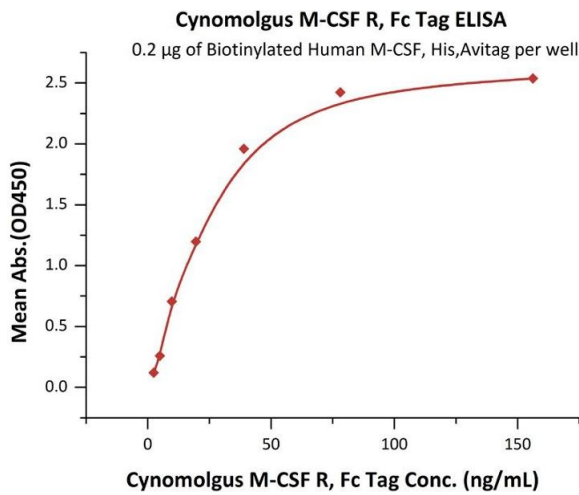
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

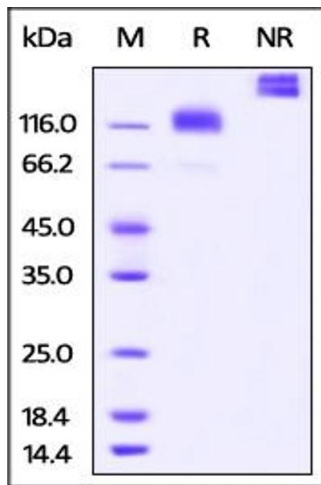
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



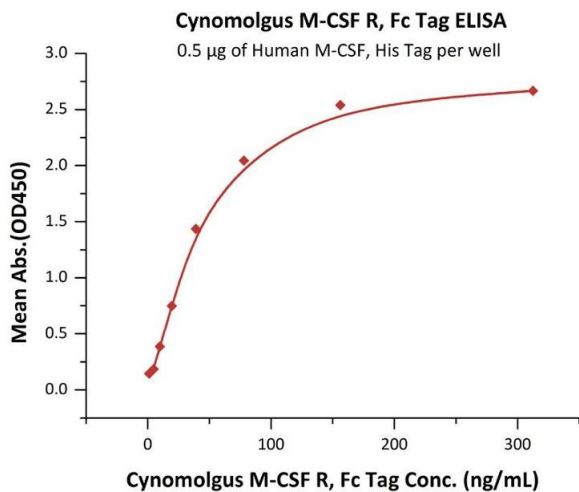
ELISA

Image 1. Immobilized Biotinylated Human M-CSF, His,Avitag (ABIN6386447,ABIN6388276) at 2 µg/mL (100 µ L/well) on streptavidin precoated (0.2 µg/well) plate, can bind Cynomolgus M-CSF R, Fc Tag (ABIN5526646,ABIN5526647) with a linear range of 1-39 ng/mL (QC tested).



SDS-PAGE

Image 2. Cynomolgus M-CSF R, Fc Tag on under reducing (R) and ing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



ELISA

Image 3. Immobilized Human M-CSF, His Tag (ABIN5674639,ABIN6253718) at 5 µg/mL (100 µL/well) can bind Cynomolgus M-CSF R, Fc Tag (ABIN5526646,ABIN5526647) with a linear range of 1-39 ng/mL (Routinely tested).