

Datasheet for ABIN6961125

CSF1R Protein (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CSF1R
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CSF1R protein is labelled with His tag.

Product Details

Purpose:	Recombinant human CSF1R protein with C-terminal 6xHis tag
Specificity:	CSF1R (Ile20-Leu514) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CSF1R
Alternative Name:	CSF1R (CSF1R Products)
Background:	Synonymes: CSF1R,C-FMS,CD115,CSFR,FIM2,FMS,M-CSFR Description: The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This

Target Details

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 tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Alternative splicing results in multiple transcript variants. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL), HL cell lines and anaplastic large cell lymphoma.

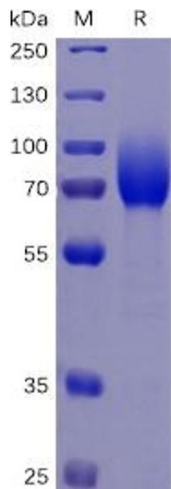
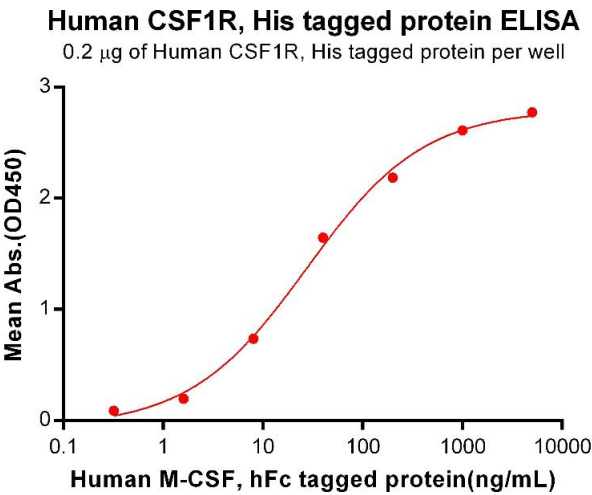
Molecular Weight:	predicted molecular mass of 55.6 kDa after removal of the signal peptide.
Gene ID:	1436
UniProt:	P07333
Pathways:	RTK Signaling , Inositol Metabolic Process , Cell-Cell Junction Organization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with deionized water
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Preservative:	Without preservative
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human CSF1R, His tagged protein (ABIN6961125) can bind Human M-CSF, hFc Tagged protein in a linear range of 0.32-200 ng/mL.

SDS-PAGE

Image 2. Human CSF1R Protein, His Tag on SDS-PAGE under reducing condition.