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CSF1R Protein (AA 20-514) (His tag)

2 Images



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Overview

Quantity:	100 μg
Target:	CSF1R
Protein Characteristics:	AA 20-514
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:	Purified from cell culture supernatant by affinity chromatography
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:	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 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

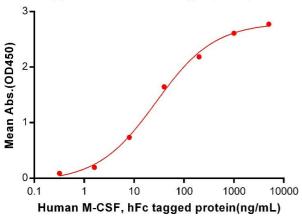
Restrictions: For Research Use only

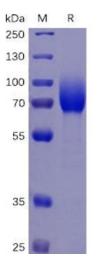
Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
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

Human CSF1R, His tagged protein ELISA

0.2 μg of Human CSF1R, His tagged protein per well





ELISA

Image 1. ELISA plate pre-coated by 2 μ g/mL (100 μ L/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.