

Datasheet for ABIN7317954 **CSF3R Protein**



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Overview

Quantity:	100 µg
Target:	CSF3R
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human G-CSFR/CD114 Protein (Active)
Sequence:	Met 1-Pro 621
Characteristics:	The mature form of human G-CSF receptor (NP_000751.1) extracellular domain (Met 1-Pro 621) with five amino acids at the C-terminus was expressed and purified.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit GCSF-induced proliferation of NFS60 mouse myeloid cells. The ED50 for this effect is typically 2-8 µg/mL.

Target Details

Target:	CSF3R
Alternative Name:	G-CSFR/CD114 (CSF3R Products)

Target Details

Background: Background: Granulocyte Colony Stimulating Factor Receptor (G-CSFR), also known as CD114, which belongs to the cytokine receptor superfamily, is a cell surface receptor for colony stimulating factor 3 (CSF3). It is a critical regulator of granulopoiesis. This type I membrane protein has a composite structure consisting of an immunoglobulin(Ig)-like domain, a cytokine receptor-homologous (CRH) domain and three fibronectin type III (FNIII) domains in the extracellular region. Mutations in the G-CSF receptor leading to carboxy-terminal truncation transduce hyperproliferative growth responses, and are implicated in the pathological progression of severe congenital neutropenia (SCN) to acute myelogenous leukemia (AML). Additionally, autocrine/paracrine stimulation of G-CSFR may be important in the biology of solid tumors, including metastasis.

Synonym: CD114,CSF3R,G-CSF R,GCSFR

Molecular Weight: 69.0 kDa

NCBI Accession: [NP_000751](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.