

Datasheet for ABIN7597240

G-CSF Protein (AA 31-204) (Fc Tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	G-CSF (CSF3)
Protein Characteristics:	AA 31-204
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This G-CSF protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human G-CSF Protein with C-terminal human Fc tag
Sequence:	G-CSF(Thr31-Pro204) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	G-CSF (CSF3)
Alternative Name:	G-CSF (CSF3 Products)
Background:	<p>CSF3, CSF3OS, C17orf33</p> <p>This gene encodes a member of the IL-6 superfamily of cytokines. The encoded cytokine controls the production, differentiation, and function of granulocytes. Granulocytes are a type of white blood cell that are part of the innate immune response. A modified form of this protein is</p>

Target Details

	commonly administered to manage chemotherapy-induced neutropenia. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2020]
Molecular Weight:	predicted molecular mass of 44.8 kDa after removal of the signal peptide. The apparent molecular mass of G-CSF-hFc is 35-55 kDa due to glycosylation.
UniProt:	P09919-2
Pathways:	Cellular Response to Molecule of Bacterial Origin, Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
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