

Datasheet for ABIN7317137
CSF2RA Protein (Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	CSF2RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CSF2RA protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CSF2RA/GM-CSFR Protein (Fc Tag)(Active)
Sequence:	Met 1-Gly 320
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Gly 320) of human GM-CSFRα (NP_006131.2) pro-protein was expressed with the C-terminal fused Fc region of human IgG1.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit GM-CSF dependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is typically 10-15 µg/ml.

Target Details

Target:	CSF2RA
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Target Details

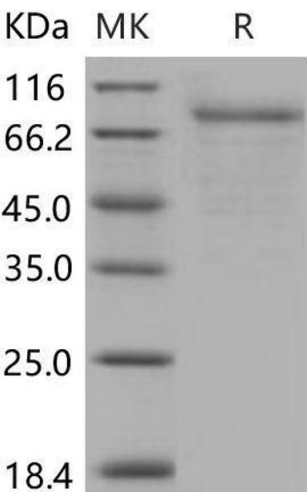
Alternative Name:	CSF2RA/GM-CSFR (CSF2RA Products)
Background:	<p>Background: CD116/GM-CSFR has been preferentially associated with M4, M5 subtype of AML but is not specific. The cluster of differentiation (cluster of designation) (often abbreviated as CD) is a protocol used for the identification and investigation of cell surface molecules present on white blood cells initially but found in almost any kind of cell of the body, providing targets for immunophenotyping of cells. Physiologically, CD molecules can act in numerous ways, often acting as receptors or ligands (the molecule that activates a receptor) important to the cell. A signal cascade is usually initiated, altering the behavior of the cell (see cell signaling). Some CD proteins do not play a role in cell signaling, but have other functions, such as cell adhesion. CD116/GM-CSFR is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. CD116/GM-CSFR is found in the pseudoautosomal region (PAR) of the X and Y chromosomes.</p> <p>Synonym: Granulocyte-Macrophage Colony-Stimulating Factor Receptor Subunit Alpha, GM-CSF-R-Alpha, GMCSFR-Alpha, GMR-Alpha, CDw116, CD116, CSF2RA, CSF2R, CSF2RY</p>
Molecular Weight:	61.2 kDa
NCBI Accession:	NP_006131
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
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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.



Western Blotting

Image 1.