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Datasheet for ABIN7319233 CSF2RA Protein (His tag)

Overview

Quantity:	50 µg
Target:	CSF2RA
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CSF2RA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CSF2RA/GM-CSFR Protein (His Tag)(Active)
Sequence:	Glu23-Gly320
Characteristics:	Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor Receptor Subunit alpha is produced by our Mammalian expression system and the target gene encoding Glu23-Gly320 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % 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 GM-CSF-dependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is 0.5-2 µg/ml.

Target Details

Target:	CSF2RA
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Target Details

Alternative Name:	CSF2RA/GM-CSFR (CSF2RA Products)
Background:	<p>Background: Granulocyte-Macrophage Colony-Stimulating Factor Receptor Subunit α (CSF2RA) is a single-pass type I membrane protein which belongs to the type I cytokine receptor family of Type 5 subfamily. The CSF2RA gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes with some of the isoforms being membrane-bound and others being soluble. CSF2RA is a low affinity receptor for granulocyte-macrophage colony-stimulating factor. CSF2RA transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells. Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4).</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:	35.5 kDa
UniProt:	P15509
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 a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>