

Datasheet for ABIN7534949
GM-CSF Protein (His tag)



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Overview

Quantity:	100 µg
Target:	GM-CSF (CSF2)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GM-CSF protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Rat CSF-2/GM-CSF Protein
Sequence:	APTRSPNPVT RPWKHVDAIK EALSLLNDMR ALENEKNEDV DIISNEFSIQ RPTCVQTRLK LYKQGLRGNL TKLNGALTMI ASHYQTNCPP TPETDCEIEV TTFEDFIKNL KGFLFDIPFD CWKPVQK
Specificity:	Ala18-Lys144
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using SP2/O mouse myeloma cells. The ED ₅₀ for this effect is 7.5-30 pg/mL.

Target Details

Target:	GM-CSF (CSF2)
Alternative Name:	CSF-2/GM-CSF (CSF2 Products)
Background:	GMCSF,CSF2
Gene ID:	116630
UniProt:	P48750
Pathways:	JAK-STAT Signaling , Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.