

Datasheet for ABIN5855034
CSF2RA Protein (AA 20-320) (His tag)



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1 Image

Overview

Quantity:	5 µg
Target:	CSF2RA
Protein Characteristics:	AA 20-320
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CSF2RA protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPLIPEKSD LRTVAPASSL NVRFDSRTMN LSWDCQENTT FSKCFLTDKK NRVVEPRLSN NECSCTFREI CLHEGVTFEV HVNTSQRGFQ QKLLYPNSGR EGTA AQNFSC FIYNADLMNC TWARGPTAPR DVQYFLYIRN SKRRREIRCP YYIQDSGTHV GCHLDNLSGL TSRNYFLVNG TSREIGIQFF DSLLDTKKIE RFNPPSNVTV RCNTTHCLVR WKQPRTYQKL SYLDFQYQLD VHRKNTQPGT ENLLINVSGD LENRYNFPSS EPRAKHSVKI RAADVRLNW SSWSEAIEFG SDDGHHHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by its ability to inhibit GM-CSF dependent proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is less or equal to 10ug/ml in the presence of

Product Details

0.5ng/ml GM-CSF.

Target Details

Target: CSF2RA

Alternative Name: CSF2RA ([CSF2RA Products](#))

Background: CSF2RA, also known as granulocyte-macrophage colony-stimulating factor receptor subunit alpha isoform g, is a well-known hemopoietic growth factor that is used in the clinic to correct neutropaenia, usually as a result of chemotherapy. It is a key regulatory molecule causative of this aortopathy, and modulation of this cytokine might be an exploitable treatment strategy for the condition. It transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells. Recombinant human CSF2RA, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 35.9kDa (310aa) 40-57kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_001155003](#)

UniProt: [P15509](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Bioactivity Validated

Restrictions: For Research Use only

Handling

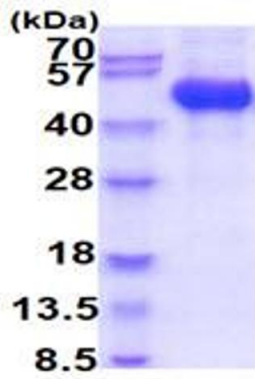
Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.