

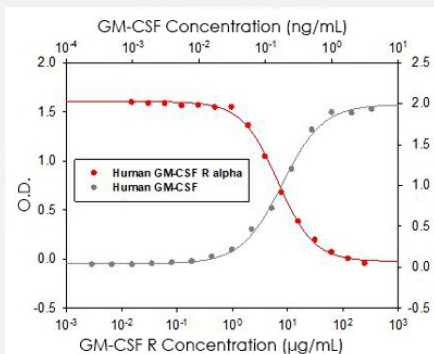
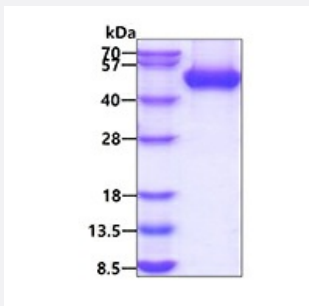
Bioactive

CSF2RA (Human) Recombinant Protein

Catalog # P8030

Size 20 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human CSF2RA (P15509, 20 a.a. - 320 a.a.) partial length recombinant protein with hlgG-His tag expressed in Baculovirus expression system.

Sequence

LIPEKSDLRTVAPASSLNVRFDSTMTNLSWDCQENTTFSKCFLTDKKNRVVEPRLSNNECSCTF
REICLHEGVTFEVHVNTSQRGFQQKLLYPNSGREGTAAQNFSCFYADLMNCTWARGPTAPRD
VQYFLYIRNSKRRREIRCPYYIQDSGTHVGCHLDNLSGLTSRNYFLVNGTSREIGIQFFDSLDDTKKIE
RFNPPSNVTVRCNTHCLVRWKQPRTYQKLSYLDYQQLDVHRKNTQPGTENLLINVSGDLENRY
NFPSSSEPRAKHSVKIRAADVRLNWSSWSEAIEFGSDDG

Host

Viruses

Theoretical MW (kDa)

35.9

Form

Liquid

Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED ₅₀ is < 10 ug/mL, measured by the ability to inhibit proliferation using TF-1 human erythroleukemic cells.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSF2RA

Entrez GeneID	1438
Protein Accession#	P15509
Gene Name	CSF2RA
Gene Alias	CD116, CDw116, CSF2R, CSF2RAX, CSF2RAY, CSF2RX, CSF2RY, GM-CSF-R-alpha, GMC SFR, GMR, MGC3848, MGC4838
Gene Description	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
Omim ID	306250 425000
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene 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. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. [provided by RefSeq]

Other Designations

CD116 antigen|GM-CSF receptor alpha subunit|OTTHUMP00000014504|OTTHUMP00000014505|OTTHUMP00000014917|OTTHUMP00000014918|colony stimulating factor 2 receptor alpha chain|colony stimulating factor 2 receptor alpha subunit|granulocyte-macrophage colony-stimu

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)