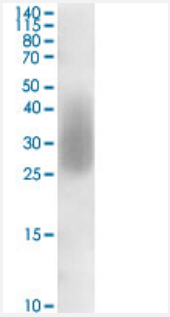
Bioactive | Full-Length | Sm Size

CSF2 (Human) Recombinant Protein

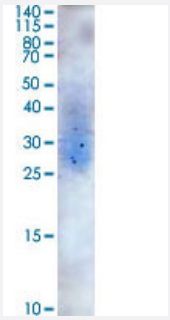
Catalog # P5885 Size 100 ug, 50 ug, 10 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of CSF2 (Human) Recombinant Protein (Cat # P5885) using protein specific antibody.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human TNF (127 a.a.) full-lenth recombinant protein expressed in Barley grain (Hordeum vulgare). Th is protein is endotoxins-free and thus optimal to use in stem cell cultures.

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Host	Plants
Theoretical MW (kDa)	30, 38
Reactivity	Human
Form	Lyophilized
Preparation Method	*Hordeum vulgare (barley)* expression system
Purification	Chromatography
Purity	> 95% by SDS-PAGE
Endotoxin Level	Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by LAL assay.
Activity	Activity has been measured by cell-based proliferation assay using TF-1 cells. ED_{50} is 0.05 ng/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	Lyophilized from PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- Western Blot (Recombinant protein)

  Western blot analysis of CSF2 (Human) Recombinant Protein (Cat # P5885) using protein specific antibody.
- SDS-PAGE

Gene Info — CSF2

Entrez GeneID	1437
Gene Name	CSF2
Gene Alias	GMCSF, MGC131935, MGC138897

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Gene Description	colony stimulating factor 2 (granulocyte-macrophage)
Omim ID	138960
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that controls the production, differentiation, and fun ction of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q 31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myel ogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. [pr ovided by RefSeq
Other Designations	colony stimulating factor 2|granulocyte-macrophage colony stimulating factor|molgramostin|sargra mostim

Pathway

- Cytokine-cytokine receptor interaction
- Fc epsilon RI signaling pathway
- Hematopoietic cell lineage
- Jak-STAT signaling pathway
- Natural killer cell mediated cytotoxicity
- T cell receptor signaling pathway

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Blindness
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Carcinoma

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- Cardiovascular Diseases
- Chlamydia Infections
- Chorioamnionitis
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Erythema Nodosum
- Esophagitis
- Fetal Membranes
- Genetic Predisposition to Disease
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms
- Neovascularization
- Obesity

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- Obstetric Labor
- Osteoporosis
- Pain
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Rhinitis
- Sarcoidosis
- Stroke
- Thyroid Neoplasms
- Trachoma
- Urinary Bladder Neoplasms
- Werner syndrome

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