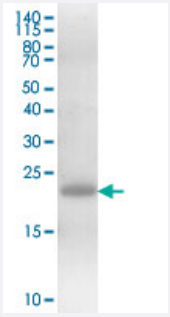
Bioactive | Full-Length | Sm Size

CSF3 (Human) Recombinant Protein

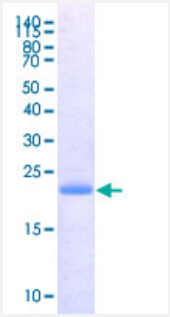
Catalog # P5883 Size 10 ug, 100 ug, 50 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of CSF3 (Human) Recombinant Protein (Cat # P5883) using protein specific antibody.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CSF3 (190 a.a.) full-lenth recombinant protein with His tag expressed in Barley grain (Hordeum vulgare). This protein is endotoxins-free and thus optimal to use in stem cell cultures.

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Host	Plants
Theoretical MW (kDa)	10.8
Reactivity	Human
Form	Lyophilized
Preparation Method	*Hordeum vulgare (barley)* expression system
Purification	Chromatography
Purity	> 98% by SDS-PAGE
Endotoxin Level	Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by turbidimetric kineticassay.
Activity	Activity has been measured by cell-based proliferation assay using mouse NFS-60 cells. The ED_{50} i s typically < 0.1 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 CSF3 (Human) Recombinant Protein (Cat # P5883) using protein specific antibody.
- SDS-PAGE

Gene Info — CSF3

Entrez GeneID	1440
Gene Name	CSF3
Gene Alias	G-CSF, GCSF, MGC45931

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Gene Description	colony stimulating factor 3 (granulocyte)
Omim ID	138970
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that controls the production, differentiation, and fun ction of granulocytes. The active protein is found extracellularly. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000164327|colony stimulating factor 3|filgrastim|granulocyte colony stimulating facto r|lenograstim|pluripoietin

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Jak-STAT signaling pathway

Disease

- Asthma
- Bronchiolitis
- Cardiovascular Diseases
- Carotid Stenosis
- Chorioamnionitis
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Fetal Membranes
- Genetic Predisposition to Disease
- Hematologic Diseases
- Infant

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- Inflammation
- Leukemia
- Lung Neoplasms
- Lymphoma
- Neovascularization
- Obstetric Labor
- Occupational Diseases
- Pre-Eclampsia
- Premature Birth
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Urinary Bladder Neoplasms
- Werner syndrome

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