CSF1 (Human) Recombinant Protein

Catalog # P10308 Size 100 ug

Specification

Product Description	Human CSF1 recombinant protein with His tag at the C-terminus expressed in HEK293 cells.
Sequence	Glu33-Gln181
Host	Human
Theoretical MW (kDa)	19.21
Reactivity	Human
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Quality Control Testing	SDS-PAGE analysis of CSF1 (Human) Recombinant Protein.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Storage Instruction	Store at -20°C for 12 months in lyophilized state. After reconstitution with deionized water, store at -20 or -80°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

Applications

- SDS-PAGE

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Gene Info — CSF1

Entrez GeneID	1435
Protein Accession#	P09603
Gene Name	CSF1
Gene Alias	MCSF, MGC31930
Gene Description	colony stimulating factor 1 (macrophage)
Omim ID	120420
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Four transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000013362|OTTHUMP00000013363|OTTHUMP00000013364|colony stimulating factor 1|macrophage colony stimulating factor

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Artery Disease
- Diabetes Mellitus
- Edema

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- Fetal Membranes
- Genetic Predisposition to Disease
- Inflammation
- Kidney Failure
- Neoplasms
- Obstetric Labor
- Osteitis Deformans
- Ovarian Neoplasms
- Periodontitis
- Pre-Eclampsia
- Premature Birth

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