

## Datasheet

### CSF1 (Human) Recombinant Protein

**Catalog Number:** P5818

**Regulation Status:** For research use only (RUO)

**Product Description:** Human CSF1 (159 a.a.) full-length recombinant protein with His tag expressed in Barley grain (*Hordeum vulgare*).

**Host:** Plants

**Theoretical MW (kDa):** 21

**Applications:** Func, SDS-PAGE, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** Barley grain (*Hordeum vulgare*) expression system

**Purification:** Chromatography

**Concentration:** 100 ug/mL

**Purity:** > 98% by SDS-PAGE

**Endotoxin Level:** Endotoxin level is less than 0.005ng per ug protein (0.05EU/ug) as measured by turbidimetric kinetic assay

**Activity:** Bioactivity is assayed by measuring the dose dependent effect of human MCSF on proliferation of M-NFS-60 cells. The ED50 lies typically in the range of 0.51-0.76 ng/mL.

**Storage Buffer:** Lyophilized from 5 mM TrisHCl, 80 mM Arginine, pH 8.0

**Storage Instruction:** Store at -20°C on dry atmosphere. After reconstitution with sterile water to a concentration of no less than 100 ug/mL, store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 1435

**Gene Symbol:** CSF1

**Gene Alias:** MCSF, MGC31930

**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]