

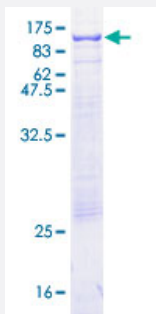
Full-Length

CSF1 (Human) Recombinant Protein (P01)

Catalog # H00001435-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CSF1 full-length ORF (NP_000748.3, 1 a.a. - 554 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTAPGAAGRCPPPTTWLGSLLLVCLLASRSITEEVSEYCSHMIGSGHLQSLQRLIDSQMETSCQIT
FEFVDQEQLKDPVCYLKKAFLLVQDIMEDTMRFRDNTNPNAIAVQLQELSLRLKSCFTKDYEEDHK
ACVRTFYETPLQLLEKVKNVFNETKNLLDKDWNIFSKNCNNSFAECSSQDVVTKPDCNCLYPKAI
PSSDPASVSPHQPLAPSMAPVAGLTWEDSEGTEGSSLLPGEQLHTVDPGSAKQRPPRSTCQ
SFEPPETPVVKDSTIGGSPQPRPSVGAFNPGMEDILDSAMGTNWWPEEASGEASEIPVPQGTEL
SPSRPGGGSMQTEPARPSNFLSASSPLPASAKGQQPADVTGTALPRVGPVRPTGQDWNHTPQ
KTDHPSALLRDPPEPGSPRISLRPQGLSNPSTLSAQPLSRSHSSGSVLPLGELEGRRSTRDR
RSPAEPEGGPASEGAARPLPRFNSVPLTDTGHERQSEGSSPQLQESVFHLLVPSVILVLLAVG
GLLFYRWRRRSHQEPQRADSPLEQPEGSPLTQDDRQVELPV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CSF1

Entrez GeneID[1435](#)**GeneBank Accession#**[NM_000757.3](#)**Protein Accession#**[NP_000748.3](#)**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](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteitis Deformans](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)