

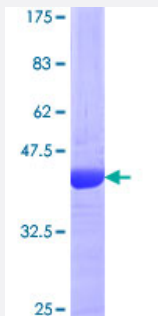
Full-Length

CSF3 (Human) Recombinant Protein (P01)

Catalog # H00001440-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CSF3 full-length ORF (NP_000750.1, 1 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGPATQSPMKLMALQLLLWHSALWTVQEATPLGPASSLPQSFLKCLEQVRKIQQGDGAALQEK
LVSECATYKLCHPEELVLLGHSLGIPWAPLSSCPSQALQLAGCLSGLFLYQGLLQALEGISP
ELGPTLDTLQLDVADFATTWQQMEELGMAPALQPTQGAMPAFASAFQRRAGGVLVASHLQSFL
EVSYRVLRLHAQP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48.7

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 — CSF3

Entrez GeneID	1440
GeneBank Accession#	NM_000759.2
Protein Accession#	NP_000750.1
Gene Name	CSF3
Gene Alias	G-CSF, GCSF, MGC45931
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 function 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 factor 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](#)
- [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](#)