

Product datasheet for PH317237

G CSF (CSF3) (NM_000759) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CSF3 MS Standard C13 and N15-labeled recombinant protein (NP_000750)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217237
Predicted MW:	22.29 kDa
Protein Sequence:	>RC217237 representing NM_000759 Red=Cloning site Green=Tags(s) MAGPATQSPMKLMALQLLLWHSALWTVQEATPLGPASSLPQSFLKLCLEQVRKIQGDGAALQEKLVSECA TYKLCHPEELVLLGHSLGIPWAPLSSCP SQALQLAGCLSQLHSGFLFYQGLLQALEGISPELGPTLDTLQ LDVADFATTIWQQMEELGMAPALQPTQGAMP AFASAFQRRAGGVLVASHLQSFLEVS YRVLRLHAQP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000750</u>
RefSeq Size:	1518
RefSeq ORF:	621
Synonyms:	C17orf33; CSF3OS; GCSF
Locus ID:	1440
UniProt ID:	<u>P09919, Q8N4W3</u>



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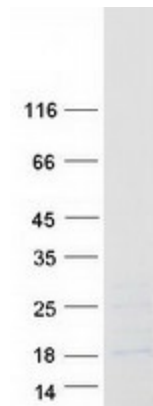
Cytogenetics: 17q21.1

Summary: This gene encodes a member of the IL-6 superfamily of cytokines. The encoded cytokine controls the production, differentiation, and function of granulocytes. Granulocytes are a type of white blood cell that are part of the innate immune response. A modified form of this protein is commonly administered to manage chemotherapy-induced neutropenia. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2020]

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

Product images:



Coomassie blue staining of purified CSF3 protein (Cat# [TP317237]). The protein was produced from HEK293T cells transfected with CSF3 cDNA clone (Cat# [RC217237]) using MegaTran 2.0 (Cat# [TT210002]).