

Product datasheet for **TP307709L**

G CSF (CSF3) (NM_172220) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human colony stimulating factor 3 (granulocyte) (CSF3), transcript variant 3, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207709 protein sequence Red =Cloning site Green =Tags(s)
	 MSPEPALSPALQLLLWHSALWTVQEATPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLCA ^{Red} TYKLC ^{Green} HP EELVLLGHS ^{Green} LGIPWAPLSSCPSQALQLAGCLSQLHSGLFLYQGLLQALEGISPELGPTLDTLQLD ^{Green} VADFA TTIWQQMEELGMAPALQPTQGAMPAFASAFQRRAGGVLVASHLQSFLEVS ^{Green} YR ^{Green} VL ^{Green} RHLAQP TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	21.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_757374
Locus ID:	1440
UniProt ID:	P09919 , Q8N4W3



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RefSeq Size: 1494

Cytogenetics: 17q21.1

RefSeq ORF: 600

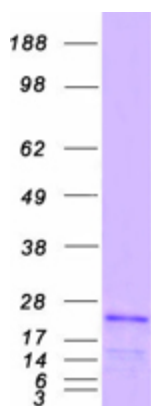
Synonyms: C17orf33; CSF3OS; GCSF

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# [TP307709]). The protein was produced from HEK293T cells transfected with CSF3 cDNA clone (Cat# [RC207709]) using MegaTran 2.0 (Cat# [TT210002]).