

Product datasheet for **TP723770**

G CSF (CSF3) (NM_172220) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human colony stimulating factor 3 (granulocyte) (CSF3), transcript variant 3
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Human G-CSF, the region of Thr27-Pro200 from gene Accession# BC033245.1
Tag:	Tag Free
Predicted MW:	18.6 kDa
Concentration:	lot specific
Purity:	>95%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 0.02 - 0.08 ng/ml, corresponding to a specific activity of 1.25 - 5.0 x 10 ⁷ units/mg, determined by M-NFS60 cell proliferation induced by human G-CSF in a dose dependent manner.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_757374
Locus ID:	1440
UniProt ID:	P09919 , Q8N4W3
RefSeq Size:	1494
Cytogenetics:	17q21.1
RefSeq ORF:	600



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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