

Product datasheet for **TP720002XL**

G CSF (CSF3) (NM_000759) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human colony stimulating factor 3 (granulocyte) (CSF3), transcript variant 1, produced in E. coli
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Thr31-Pro204
Tag:	Tag Free
Predicted MW:	18.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	ED50 is less than 0.1 ng/ml as calculated by the dose-dependent proliferation of murine NFS-60 indicator cells. Specific Activity of 6.0 x 10 ⁷ IU/ mg.
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000750
Locus ID:	1440
UniProt ID:	P09919 , Q8N4W3
Cytogenetics:	17q21.1
Synonyms:	C17orf33; CSF3OS; GCSF



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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: