

## Product datasheet for **TP329626L**

### G CSF (CSF3) (NM\_001178147) Human Recombinant Protein

#### Product data:

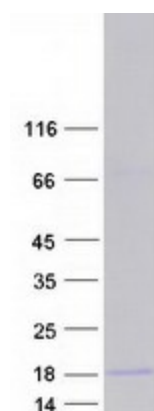
|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Homo sapiens colony stimulating factor 3 (granulocyte) (CSF3), transcript variant 4, 1 mg   |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC229626 representing NM_001178147<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <br>MAGPATQSPMKLMALQLLLWHSALWTVQEATPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLKAGCLS<br>QLHSGLFLYQGLLQALEGISPELGPTLDTLQLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAFQR<br>RAGGVLVASHLQSFLEVSYRVLRLHLAQP<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 18.6  |
| 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:                          | NULL or Add: Recombinant proteins 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:                               | <a href="#">NP_001171618</a>  |
| Locus ID:                             | 1440  |
| UniProt ID:                           | <a href="#">P09919</a> , <a href="#">Q8N4W3</a>   |



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|                   |   |
|-------------------|---|
| Cytogenetics:     | 17q21.1   |
| RefSeq ORF:       | 504   |
| 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# [TP329626]). The protein was produced from HEK293T cells transfected with CSF3 cDNA clone (Cat# [RC229626]) using MegaTran 2.0 (Cat# [TT210002]).