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## Product Datasheet

### Human recombinant GM-CSF (Granulocyte-macrophage colony-stimulating factor) protein, AF BOB-PROTP04141-8-20UG

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | Human recombinant GM-CSF (Granulocyte-macrophage colony-stimulating factor) protein, AF                                                                                                                                                                       |
| Biozol Catalog Number      | BOB-PROTP04141-8-20UG                                                                                                                                                                                                                                         |
| Supplier Catalog Number    | PROTP04141-8-20ug                                                                                                                                                                                                                                             |
| Alternative Catalog Number | BOB-PROTP04141-8-20UG-20UG                                                                                                                                                                                                                                    |
| Manufacturer               | Boster Bio                                                                                                                                                                                                                                                    |
| Category                   | Proteine/Peptide                                                                                                                                                                                                                                              |
| Application                | Cell Culture                                                                                                                                                                                                                                                  |
| Species Reactivity         | Human                                                                                                                                                                                                                                                         |
| Product Description        | Granulocyte-macrophage colony-stimulating factor (GM-CSF) was first identified as a Growth Factors due to its ability to induce proliferation and differentiation of bone marrow progenitors into granulocytes and macrophages. GM-CSF is produced by mult... |
| Molecular Weight           | The protein has a calculated MW of 15.4 kDa. The protein migrates as 15 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                     |
| Tag                        | His Tag (N-term)                                                                                                                                                                                                                                              |
| UniProt                    | <a href="#">P04141</a>                                                                                                                                                                                                                                        |
| Source                     | Escherichia coli                                                                                                                                                                                                                                              |
| Form                       | The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.                                                                                              |

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|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence | APARSPSPSTQPWEHVNAIQEARLLNLSRDTAAEMNETVEVISEMFDLQEPT<br>CLQTRLELYKQGLRGSLTKLKGPLTMMASHYKQHCPPTPETSCATQIITFESFK<br>ENLKDFLLVIPFDCWEPVQE with polyhistidine tag at the N-terminus. |
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