

## Product Datasheet

### Rat GCSF protein (orb80033)

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| <b>Description</b>         | Granulocyte MCSF Rat Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain...  |
| <b>Conjugation</b>         | Unconjugated   |
| <b>Tested Applications</b> | FA, HPLC, SDS-PAGE   |
| <b>Target</b>              | rGM CSF  |
| <b>Preservatives</b>       | GM-CSF Rat was lyophilized with no additives.  |
| <b>Storage</b>             | Store at 4°C for up to two weeks. For long term storage, aliquot and store at -20°C, avoid freeze/thaw cycles.   |
| <b>Note</b>                | For research use only  |
| <b>Application notes</b>   | <b>Experiment Notes:</b> GMCSF quantitation was carried out by two independent methods1. UV spectroscopy at 280 nm using the absorbency value of 0.966 as the extinction coefficient for 0.1% (1mg/ml) solution. This value is calculated the PC GENE computer analysis program of protein sequences (telliGenetics). 2. Analysis by RP-HPLC, using calibrated solution of GM-CSF as Reference Standard. |
| <b>Protein Sequence</b>    | The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Pro-Thr-Arg.  |
| <b>Purity</b>              | > 95.0% as determined by(a)Analysis by RP-HPLC.(b)Analysis by SDS-PAGE.  |
| <b>Solubility (25°C)</b>   | It is recommended to reconstitute the lyophilized Granulocyte Macrophage Colony Stimulating Factor in sterile H <sub>2</sub> O not less than 100ug/ml, which can then be further diluted to other aqueous solutions.   |
| <b>Expiration Date</b>     | 6 months from date of receipt.   |