

Data Sheet**Recombinant Human Tumor Necrosis Factor alpha (rh TNF- α)****Preclinical Grade - Order No.: 1406-010 / 1406-050**

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|------------------------|---|
| Source | A DNA sequence encoding the mature TNF- α protein was expressed in <i>E. coli</i> |
| Production | Final manufacturing steps and QC are performed in a GMP facility |
| Molecular mass | The methionyl form of the <i>E. coli</i> expressed mature human TNF- α contains 158 amino acid residues and has a molecular mass of 17.5 kDa |
| Purity | $\geq 95\%$, as determined by SDS-PAGE |
| Endotoxin level | < 1000 EU/mg, as determined by LAL gel clot test |
| Activity | $\geq 1 \times 10^7$ IU/mg calibrated against the 1 st International Standard NIBSC, # 88/786 Measured in a cell cytotoxicity assay using a murine cell line, L-929 |
| Sterility | Sterility test of the vial product (direct inoculation) |
| Formulation | Lyophilized from a 0.2 μm -filtered solution in PBS |
| Mass per vial | 50 μg or 10 μg , as determined by spectrophotometrical measurement at 280 nm |
| Transport | Ambient temperature |
| Storage at | -20°C or below. Avoid repeated freeze-thaw cycles |
| Shelf life | 3 years from date of shipment |

本品は研究用試薬です。治療および診断目的にはご使用できません。

Manufacturer

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