



Recombinant Human Oncostatin-M

Datasheet

Catalog Number: PR27041

Product Type: Recombinant Protein

Source: E.Coli

Amino Acid Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Ala-Ile-Gly

Description/Molecular Mass: Oncostatin-M Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 227 amino acids and having a molecular mass of 26kDa. The OSM is purified by proprietary chromatographic techniques.

Protein Content: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 0.45 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of Oncostatin as a Reference Standard.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Biological Activity: The ED₅₀ as determined by the dose-dependant stimulation of Human TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 5 x 10⁵ IU/mg.

Format: Lyophilized from a concentrated (1mg/ml) solution containing no additives.

Reconstitution: It is recommended to reconstitute the lyophilized Oncostatin M in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: Lyophilized Oncostatin M although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Oncostatin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please avoid freeze-thaw cycles.

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