

Product: Oncostatin M, human, recombinant
Catalog #: 11-OSM-H
Amount: 5 µg

DESCRIPTION: Recombinant Human OSM produced in E.Coli is a single, non-glycosylated polypeptide chain containing 227 amino acids and having a molecular mass of 26kDa
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Ala-Ile-Gly

SOURCE: *Escherichia coli*

PURITY: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC

DIMERS & AGGREGATES: <1% as determined by silver stained SDS-PAGE gel analysis

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuOSM

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 OSM as a Reference Standard.

FORM: Purified

STORAGE: -20°C, avoid freezing and thawing cycles after reconstitution

BIOLOGICAL ACTIVITY: rHuOSM is fully biologically active when compared to standard.
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

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