

## PRODUCT DATA SHEET

### GM-CSF Human E. coli

**Cat. No.:** RP1762211000

**Size:** 1 mg

**Source:** E. coli

**Species:** Human

#### Other Names:

Granulocyte-macrophage colony stimulating factor, Molgramostin, Sargramostim, Colony-stimulating factor, CD116

#### Description:

Granulocyte Macrophage Colony Stimulating Factor Human Recombinant produced in E.coli is a single, non-glycosylated, polypeptide chain containing 127 amino acids and having a molecular mass of 14477 Dalton. GM-CSF is purified by proprietary chromatographic techniques.

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Ala-Arg-Ser. N-terminal methionine has been completely removed enzymatically.

#### Purity:

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

#### Formulation:

GM-CSF was lyophilized after extensive dialysis against 2 mM sodium phosphate buffer pH= 7.4±0.1.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

Lyophilized Granulocyte Macrophage Colony Stimulating Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GMCSF 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 prevent freeze-thaw cycles.