



Granulocyte Macrophage-Colony Stimulating Factor Human Recombi-

Item Number rAP-2158

CSF-2, MGI-1GM, GM-CSF, Pluripoietin-alpha, Molgramostin, Sargramostim, MGC131935, Synonyms

MGC138897.

Description GM CSF Human Recombinant produced in CHO cells is a 14.6kDa globular protein consisting of 127 ami-

no acids, having two intramolecular disulfide bonds and two N-linked glycosylation sites.

P04141 **Uniprot Accesion Number**

APARSPSPST QPWEHVNAIQ EARRLLNLSR DTAAEMNETV EVISEMFDLQ EPTCLQTRLE **Amino Acid Sequence**

LYKQGLRGSL TKLKGPLTMM ASHYKQHCPP TPETSCATQI ITFESFKENL KDFLLVIPFD CWEPVQE

Source Chinese Hamster Ovary cells.

Physical Appearance and Stability

Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. :Store, fro-

zen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier

protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

The GM CSF Human filtered solution (0.27mg/ml) contains 20mM TRIS HCl buffer pH 7.2. Greater than Formulation and Purity

95% as determined by SDS-PAGE.

Application

Solubility

ED50 < 0.1 ng/ml, determined by the dose dependent stimulation of the proliferation of human TF-1 cells **Biological Activity**

(human erythroleukemic indicator cell line).

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only