

Product: Granulocyte Colony Stimulating Factor, human
Catalog #: 11-GCSFCHO-H
Amount: 5 µg

DESCRIPTION: Recombinant Human G-CSF (rHuG-CSF CHO)
rHuG-CSF CHO is a single, non-glycosylated, polypeptide chain containing 174 amino acids and having a molecular mass of 20 kDa.
The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Pro-Leu-Gly-Pro
Chinese Hamster Ovary Cells (CHO)

SOURCE: Chinese Hamster Ovary Cells (CHO)

MOLECULAR WEIGHT: 20 kDa

PURITY: > 98%, as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuG-CSF CHO

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

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm using the absorbency value of 0.815 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENcomputer analysis program of protein sequences
- Analysis by RP-HPLC, using a standard solution of HuG-CSF as a Reference Standard

FORM: Purified, in 10mM Hydrochloric Acid pH=6.5, 0.4mg tween 20, 100mg mannitol, 160 mg L-arginine, 40 mg phenylalanin and 4mg methionin

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rHuG-CSF CHO is fully biologically active when compared to standard.
The ED50, calculated by the dose-dependant proliferation of murine NFS-60 indicator cells (measured by ³H-thymidine uptake) is < 0.1 ng/ml, corresponding to a Specific Activity of 1.27 x 10⁸ IU/mg

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.