

Product datasheet for **AR31104PU-S**

G-CSF Rat Protein

Product data:

Product Type:	Recombinant Proteins
Description:	G-CSF rat recombinant protein, 2 µg
Species:	Rat
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MKKIPLLTVS SLPPSLPLPR SFLLKSLEQV RKIQRNTEL LEQLCATYKL CHPEELVLFV HSLGIPKASL SSCSSQALQQ TKCLSQLHSG LFLYQGLLQA LAGISSELAP TLDMLHLDVD NFATTIWQQM ESLGVAPTQV PTQSTMPIFT SAFQRRAGGV LVTSYLQSFV ETAHHLHHL PRPAQKHFPV SLFISI
Predicted MW:	21.6 kDa
Purity:	>98% pure by SDS-PAGE gel and HPLC analyses
Buffer:	Presentation State: Purified State: Lyophilized (0.2µ Sterile filtered) purified protein Buffer System: 10 mM Sodium Citrate, pH 4.0
Bioactivity:	Biological: Determined by its ability to stimulate the proliferation of Mouse NFS-60 cells. The expected ED50 is ≤ 0.05 ng/ml, corresponding to a specific activity of ≥ 2 x 10 ⁷ units/mg. Specific: ≥ 2 x 10 ⁷ units/mg.
Endotoxin:	< 0.1 ng/µg of protein (< 1EU/µg)
Reconstitution Method:	Restore in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Preparation:	Lyophilized (0.2µ Sterile filtered) purified protein
Protein Description:	Recombinant Rat G-CSF is a 21.6 kDa protein consisting of 196 amino acid residues.
Note:	Centrifuge the vial prior to opening.
Storage:	Prior to reconstitution store at 2-8°C for 6 months, at RT for one month or at -20°C to -80°C for longer. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
RefSeq:	NP_058800
Locus ID:	25610
Cytogenetics:	10q31
Synonyms:	Gcsf
Summary:	putative hematopoetic growth factor for neutrophils; used as a treatment for cyclic hematopoiesis in humans and dogs [RGD, Feb 2006]