

# Recombinant human Granulocyte colony-stimulating factor protein



Catalog No: #AP71932

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Package Size: #AP71932-1 20ug #AP71932-2 100ug #AP71932-3 1mg

## Description

Product Name	Recombinant human Granulocyte colony-stimulating factor protein
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-200aaSequence Info:Partial
Other Names	Colony-stimulating factor ;CSFMolgramostin;Sargramostim
Accession No.	P09919
Uniprot	P09919
GeneID	1440;
Calculated MW	22.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	VQEATPLGPASSLPQSFLKCKLEQVRKIQGDGAALQEKLVESECATYKLCHPEELVLLGHSLGIPWAPLSSCPS QALQLAGCLSQLHSGFLYQGLLQALEGISPELGPTLDTLQLDVAADFATTIWQQMEELGMAPALQPTQGAMPA FASAFQRRAGGVLVASHLQSFLEVSYRV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.

## References

SeattleSNPs variation discovery resourceThe DNA sequence and comparative analysis of human chromosome 5.Schmutz J., Martin J., Terry A., Couronne O., Grimwood J., Lowry S., Gordon L.A., Scott D., Xie G., Huang W., Hellsten U., Tran-Gyamfi M., She X., Prabhakar S., Aerts A., Altherr M., Bajorek E., Black S., Branscomb E., Caoile C., Challacombe J.F., Chan Y.M., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Glavina T., Gomez M., Gonzales E., Goodstein D., Grigoriev I., Groza M., Hammon N., Hawkins T., Haydu L., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Lopez F., Lou Y., Martinez D., Medina C., Morgan J., Nandkeshwar R., Noonan J.P., Pitluck S., Pollard M., Predki P., Priest J., Ramirez L., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wheeler J., Wu K., Yang J., Dickson M., Cheng J.-F., Eichler E.E., Olsen A., Pennacchio L.A., Rokhsar D.S., Richardson P., Lucas S.M., Myers R.M., Rubin E.M.Nature 431:268-274(2004)Research Topic:Immunology

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Note: This product is for in vitro research use only