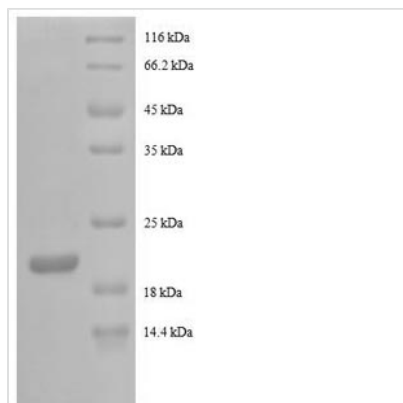




Recombinant Human Granulocyte colony-stimulating factor protein (CSF-3), partial

Product Code	CSB-EP006049HU1
Relevance	Cytokine that stimulates the growth and differentiation of hatopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
Abbreviation	Recombinant Human CSF3 protein, partial
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.
Uniprot No.	P09919
Alias	Colony-stimulating factor ;CSFMolgramostin;Sargramostim
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	VQEATPLGPASSLPQSFLKCLEQVRKIQGDGAALQEKLVSSECATYKLCHPEE LVLLGHS LGIPWAPLSSCPSQALQLAGCLSQLHSGFLFYQGILLQALEGISPELG PTLDTLQLDVADFATTIWQQMEELGMAPALQPTQGAMPAFASAFQRRAGGVL VASHLQSFLEVSYRV
Research Area	Immunology
Source	E.coli
Target Names	CSF3
Expression Region	27-200aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	22.6kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.