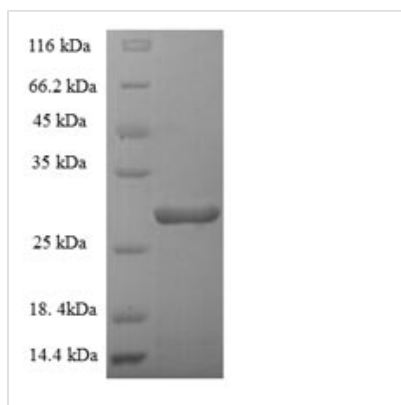




Recombinant Human Granulocyte-macrophage colony-stimulating factor(CSF2)

Product Code	CSB-EP006045HU
Relevance	Cytokine that stimulates the growth and differentiation of hatopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.
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.	P04141
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Colony-stimulating factor ;CSFMolgramostin;Sargramostim
Product Type	Recombinant Protein
Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	APARSPSPSTQPWEHVNAIQEARRLLNLSRDTADEMNETVEVISEMFDLQEP CLQTRLELYKQGLRGLTKLKGPLTMMASHYKQHCPPTPETSCATQIITFESFK ENLKDFLLVIPFDCWEPVQE
Lead Time	3-7 business days
Research Area	Immunology
Source	E.coli
Gene Names	CSF2
Expression Region	18-144aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	30.5kDa
Protein Description	Full Length of Mature Protein
Image	



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