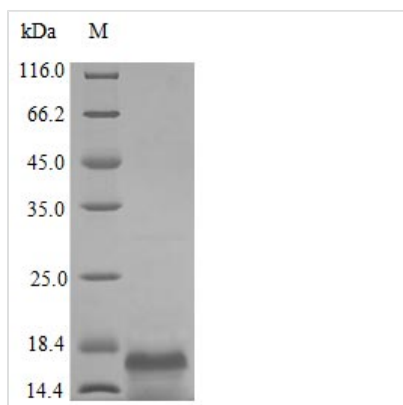




# Recombinant Human Macrophage colony-stimulating factor 1 protein (CSF1),Partial (Active)

<b>Product Code</b>	CSB-AP002131HU
<b>Abbreviation</b>	Recombinant Human CSF1 protein, partial (Active)
<b>Uniprot No.</b>	P09603
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0. 2µm filtered PBS, pH7.4
<b>Product Type</b>	Colony Stimulating Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine M-NFS-60 cells is less than 1 ng/ml, corresponding to a specific activity of >1.0x10 <sup>6</sup> IU/mg.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Sequence</b>	EEVSEYCSHM IGSGHLQSLQ RLIDSQMETS CQITFEFVDQ EQLKDPVCYL KKAFLLVQDI MEDTMRFRDN TPNAIAIVQL QELSLRLKSC FTKDYEEHDK ACVRTFYETP LQLEKVKNV FNETKNLLDK DWNIFSKNCN NSFAECSSQG HERQSEGS
<b>Research Area</b>	Immunology
<b>Source</b>	E.Coli
<b>Target Names</b>	CSF1
<b>Expression Region</b>	33-190aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag-Free
<b>Mol. Weight</b>	18.4 kDa
<b>Protein Length</b>	Partial of Isoform 3
<b>PubMed ID</b>	2996129; 3493529; 2460758; 2660794; 14702039; 16710414; 15489334; 3500041; 1791839; 8262907; 3498652; 3259875; 3039346; 3264877; 1531650; 8422357; 15519852; 16337366; 18687298; 19934330; 20829061; 20504948; 22171320; 23234360; 26091039; 1455231
<b>Image</b>	


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**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.