# Recombinant Colony Stimulating Factor 1, Macrophage (MCSF) Instruction Manual

## SIPA060Hu01

**Homo sapiens (Human)**

| | |
|---|---|
| **Source** | Prokaryotic expression |
| **Host** | E.coli |
| **Endotoxin Level** | <1.0EU per 1μg (determined by the LAL method) |
| **Subcellular Location** | Membrane |
| **Predicted Molecular Mass** | 80.2kDa |
| **Accurate Molecular Mass** | 80kDa(Analysis of differences refer to the manual) |
| **Residues & Tags** | Glu33~Ser496 with N-terminal His and GST Tag |
| **Buffer Formulation** | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| **Traits** | Freeze-dried powder |
| **Purity** | > 90% |
| **Isoelectric Point** | 5.0 |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |

**SEQUENCE**

EEVSEYCS HMIGSGHLQS
LQRLIDSQME TSCQITFEFV DQEQLKDPVC YLKKAFLLVQ DIMEDTMRFR
DNTPNAIAIV QLQELSLRLK SCFTKDYEEH DKACVRTFYE TPLQLLEKVK
NVFNETKNLL DKDWNIFSKN CNNSFAECSS QDVVTKPDCN CLYPKAIPSS
DPASVSPHQP LAPSMAPVAG LTWEDSEGTE GSSLLPGEQP LHTVDPGSAK
QRPPRSTCQS FEPPETPVVK DSTIGGSPQP RPSVGAFNPG MEDILDSAMG
TNWVPEEASG EASEIPVPQG TELSPSRPGG GSMQTEPARP SNFLSASSPL
PASAKGQQPA DVTGTALPRV GPVRPTGQDW NHTPQKTDHP SALLRDPPEP
GSPRISSLRP QGLSNPSTLS AQPQLSRSHS SGSVLPLGEL EGRRSTRDRR
SPAEPEGGPA SEGAARPLPR FNSVPLTDTG HERQSEGSFS PQLQES

**USAGE**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image

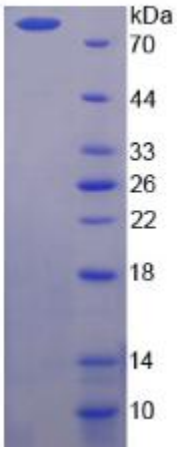

Figure. SDS-PAGE

## [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.