

Product datasheet for **AR09315PU-L**

M-CSF / CSF-1 (33-190, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	M-CSF / CSF-1 (33-190, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MEEVSEYCSH MIGSGHLQSL QRLIDSQMET SCQITFEFVD QEQLKDPVCY LKKAFLLVQD IMEDTMRFRD NTPNAIAIVQ LQELSLRLKS CFTKDYEEHD KACVRTFYET PLQLLEKVKV VFNETHKLLD KDOWNIFSKNC NNSFAECSSQ DVVTKPDCN
Tag:	His-tag
Predicted MW:	20.7 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0), 2 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human M-CSF, fused to His-tag at N-terminus, was expressed as insoluble protein aggregate in E.coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_000748</u>
Locus ID:	1435
UniProt ID:	<u>P09603</u>
Cytogenetics:	1p13.3
Synonyms:	CSF1, MCSF, Macrophage colony-stimulating factor 1, Macrophage Colony Stimulating Factor



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Summary:

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways:

Cytokine-cytokine receptor interaction, Hematopoietic cell lineage

Product images: