

Product datasheet for **AR09315PU-N**

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, 0.1 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: