

Product datasheet for PH305855

M-CSF (CSF1) (NM_172212) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CSF1 MS Standard C13 and N15-labeled recombinant protein (NP_757351)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205855
Predicted MW:	60.1 kDa
Protein Sequence:	>RC205855 protein sequence Red=Cloning site Green=Tags(s) MTAPGAAGRCPPTTWLGSLLLLVCLLASRSITEEVSEYCSHMIGSGHLQSLQRLIDSQMETSCQITFEFV DQEQLKDPVCYLKKAFLLVQDIMEDTMRFRDNTNPNAIAIVQLQELSLRLKSCFTKDYEEHDKACVRTFYE TPLQLLEKVKNVFNETKNLLDKDWNIFSKNCNNSFAECSSQDVVTKPDCNCLYPKAIPSSDPASVSPHQ LAPSMAPVAGLTWEDSEGTEGSSLLPGEQLHTVDPGSAKQRPPRSTCQSFEPPETPVVKDSTIGGSPQP RPSVGFANPGMEDILDSAMGTNWVPEEASGEASEIPVPQGTELSPSRPGGGSMQTEPARPSNFLSASSPL PASAKGQQPADVTGTALPRVGPVVRPTGQDWNHTPQKTDHPSALLRDPPEPGSPRISLRLPQGLSNPSTLS AQPQLSRSHSSGSVLPGLGELEGRSTRDRRSPAEPGGPASEGAARPLPRFNSVPLTDTGHERQSEGSSS PQLQESVFHLLVPSVILVLLAVGGLLFYRWRRRSHQEPQRADSPLEQPEGSPLTQDDRQVELPV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_757351</u>
RefSeq Size:	2772
RefSeq ORF:	1662



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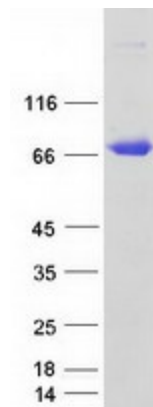
Synonyms: CSF-1; MCSF
Locus ID: 1435
UniProt ID: [P09603](#), [A0A024R0A1](#)
Cytogenetics: 1p13.3

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:



Coomassie blue staining of purified CSF1 protein (Cat# [TP305855]). The protein was produced from HEK293T cells transfected with CSF1 cDNA clone (Cat# [RC205855]) using MegaTran 2.0 (Cat# [TT210002]).