

## Product datasheet for **SC337730**

### MCSF Receptor (CSF1R) (NM\_001288705) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MCSF Receptor (CSF1R) (NM_001288705) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSF1R
Synonyms:	BANDDOS; C-FMS; CD115; CSF-1R; CSFR; FIM2; FMS; HDLS; M-CSF-R
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001288705, the custom clone sequence may differ by one or more nucleotides

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ATGGGCCAGGAGTTCTGCTGCTCCTGCTGGTGGCCACAGCTTGGCATGGTCAGGGAATCCCAGTGATAG
AGCCCAGTGTCCCTGAGCTGGTGAAGCCAGGAGCAACGGTGACCTTGGCATGTGTGGCAATGGCAG
CGTGGAAATGGGATGGCCCCCATCACTCACTGGACCTGTACTCTGATGGCTCCAGCAGCATCCTCAGC
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GCAGCGGCAGCAGCAGTGTGAGTGGAGGAGGAGCTCTAGTGCAGCCTGACCTGCTGCGAGCAAGG
GGATATCGCCAGCCCTGCTGCAGCCCAACAACATACAGTTCTGCTGA
    
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001288705

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001288705.1</a> , <a href="#">NP_001275634.1</a>
<b>RefSeq Size:</b>	3923 bp
<b>RefSeq ORF:</b>	2919 bp
<b>Locus ID:</b>	1436
<b>UniProt ID:</b>	<a href="#">P07333</a>
<b>Cytogenetics:</b>	5q32
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Endocytosis, Hematopoietic cell lineage, Pathways in cancer
<b>Gene Summary:</b>	<p>The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Alternative splicing results in multiple transcript variants. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL), HL cell lines and anaplastic large cell lymphoma. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 4. Variants 1, 2 and 4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>