

Product datasheet for SC209962

OriGene Technologies, Inc.

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MCSF Receptor (CSF1R) (NM_005211) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: MCSF Receptor (CSF1R) (NM_005211) Human 3' UTR Clone

Symbol: MCSF Receptor

Synonyms: BANDDOS; C-FMS; CD115; CSF-1R; CSFR; FIM2; FMS; HDLS; M-CSF-R

Mammalian Cell

Selection:

Neomycin

Vector: pMirTarget (PS100062)

ACCN: NM_005211

Insert Size: 804 bp

Insert Sequence: >SC209962 3'UTR clone of NM_005211

The sequence shown below is from the reference sequence of NM_005211. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

 ${\sf TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC}$

GCCGTGGGATGTCTCTGTCCACATTAAACTAACAGCATTAATGCA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: Sgfl-Mlul





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OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a

point of reference. Note that the complete sequence of this clone is largely the same as the

reference sequence but may contain minor differences, e.g., single nucleotide

polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

RefSeq: <u>NM 005211.4</u>

Summary: 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

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]

Locus ID: 1436

MW: 29.2