

Product datasheet for RC205106L3

MIF (NM_002415) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MIF (NM_002415) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: MIF

Synonyms: GIF; GLIF; MMIF

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205106).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_002415

ORF Size: 345 bp



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



MIF (NM_002415) Human Tagged Lenti ORF Clone - RC205106L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: 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).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

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.

RefSeq: <u>NM 002415.1</u>

 RefSeq Size:
 561 bp

 RefSeq ORF:
 348 bp

 Locus ID:
 4282

 UniProt ID:
 P14174

Cytogenetics: 22q11.23

Domains: MIF

Protein Families: Druggable Genome

Protein Pathways: Phenylalanine metabolism, Tyrosine metabolism

MW: 12.5 kDa

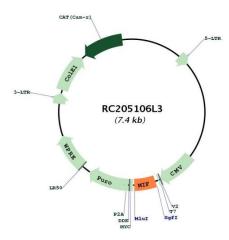
Gene Summary: This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and

inflammation. It plays a role in the regulation of macrophage function in host defense

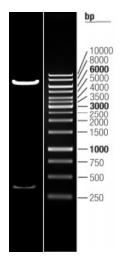
through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC205106L3



Double digestion of RC205106L3 using Sgfl and Mlul