

Product datasheet for RG235449

OriGene Technologies, Inc.

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Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291474) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291474) Human Tagged ORF

Clone

Tag: TurboGFP

Symbol: Macrophage Inflammatory Protein 1 beta

Synonyms: AT744.2; CCL4L; SCYA4L; SCYQ4L2

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG235449 representing NM_001291474.

Sequence: Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG235449

Blue=ORF Red=Cloning site Green=Tag(s)

MKLCVTVLSLLVLVAAFCSLALSAPTKSSEWKLQGVCFQCCSGKDPIHQSCPTWTMVRQRKMPTTGKG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA

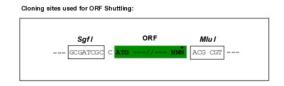
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

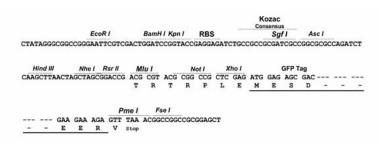
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_001291474

ORF Size: 204 bp

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).

RefSeq: <u>NM 001291474.2</u>

RefSeq Size: 741 bp
RefSeq ORF: 207 bp
Locus ID: 9560

UniProt ID: Q8NHW4

Cytogenetics: 17q12

Protein Families: Druggable Genome, Transmembrane



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Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing

pathway

MW: 7.9 kDa

Gene Summary: This gene is one of several cytokine genes that are clustered on the q-arm of chromosome 17.

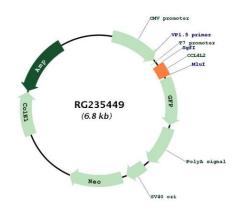
Cytokines are a family of secreted proteins that function in inflammatory and

immunoregulatory processes. The protein encoded by this family member is similar to the chemokine (C-C motif) ligand 4 product, which inhibits HIV entry by binding to the cellular receptor CCR5. The copy number of this gene varies among individuals, where most

individuals have one to five copies. This gene copy contains a non-consensus splice acceptor site at the 3' terminal exon found in other highly similar gene copies, and it thus uses other alternative splice sites for the 3' terminal exon, resulting in multiple transcript variants.

[provided by RefSeq, Apr 2014]

Product images:



Circular map for RG235449