

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RG235574

Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291472) Human Tagged ORF Clone

Product data:

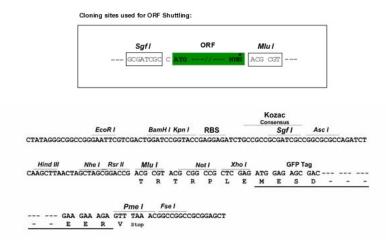
Product Type:	Expression Plasmids
Product Name:	Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291472) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Macrophage Inflammatory Protein 1 beta
Synonyms:	AT744.2; CCL4L; SCYA4L; SCYQ4L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG235574 representing NM_001291472. Blue=ORF Red=Cloning site Green=Tag(s)</pre>
	GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTAACCGAGGAGATCTGCCGCGCGGCGCCATGAAGCTCTGCGTGACTGTCCTGTCTCTCCTCGTGCTAGTAGCTGCCTTCTGCTCTCAGCACTCTCAGCACCAATGGGCTCAGACCCTCCCACCGCCTGCTGCTTTTCTTACACCGCGAGGAAGCTTCCTCGCAACTTTGTGGTAGATTACTATGAGACCAGCAGCCTCTGCTCCCAGCCAG
Protein Sequence:	<pre>>Peptide sequence encoded by RG235574 Blue=ORF Red=Cloning site Green=Tag(s) MKLCVTVLSLLVLVAAFCSLALSAPMGSDPPTACCFSYTARKLPRNFVVDYYETSSLCSQPAVVAAPGR IPSTRAAPHGPWSGRGRCLPQARDKAR TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV</pre>
Restriction Sites:	Sgfl-Mlul



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Cloning Scheme:



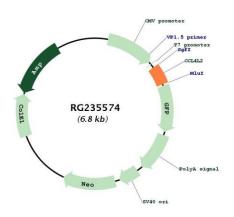
ACCN:	NM_001291472
ORF Size:	288 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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. <u>More info</u>
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 001291472.2</u>
RefSeq Size:	815 bp
RefSeq ORF:	291 bp
Locus ID:	9560
UniProt ID:	<u>Q8NHW4</u>
Cytogenetics:	17q12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway
MW:	10.7 kDa

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Macrophage Inflammatory Protein 1 beta (CCL4L2) (NM_001291472) Human Tagged ORF Clone – RG235574

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 RG235574

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