

Product datasheet for **SC118320**

Macrophage Inflammatory Protein 1 beta (CCL4) (NM_002984) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Macrophage Inflammatory Protein 1 beta (CCL4) (NM_002984) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CCL4 |
| Synonyms: | ACT2; AT744.1; G-26; HC21; LAG-1; LAG1; MIP-1-beta; MIP1B; MIP1B1; SCYA2; SCYA4 |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >OriGene sequence for NM_002984 edited GGGGACAGGACACAGCTGGGTTCTGAAGCTTCTGAGTTCTGCAGCCTCACCTCTGAGAAA ACCTCTTTTCCACCAATACCATGAAGCTCTGCGTGACTGTCTGTCTCTCCTCATGCTAG TAGCTGCCTTCTGCTCTCCAGCGCTCTCAGACCAATGGGCTCAGACCCTCCCACCGCT GCTGCTTTTCTTACACCGCGAGGAAGCTTCTCGCAACTTTGGGTAGATTACTATGAGA CCAGCAGCCTCTGCTCCCAGCCAGCTGTGGTATTCCAAACCAAAGAAGCAAGCAAGTCT GTGCTGATCCCAGTGAATCCTGGGTCCAGGAGTACGTGTATGACCTGGAAGTGAAGTGA CTGCTCAGAGACAGGAAGTCTTCAGGGAAGGTCACCTGAGCCCGGATGCTTCTCCATGAG ACACATCTCCTCATACTCAGGACTCCTCTCCGAGTTCCTGTCCCTTCTTAATTTAA TCTTTTTTATGTGCCGTGTTATTGTATTAGGTGTCATTTCCATTATTTATATTAGTTTAA CCAAAGGATAAGTGTCCCTATGGGGATGGTCCACTGTCACTGTTTCTCTGCTGTTGCAA ATACATGGATAACACATTTGATTCTGTGTGTTTTTCATAATAAACTTTAAATAAAATGC AAAAAAAAAAAAAAAAAAAAAAAAAAAAA |
| Restriction Sites: | Please inquire |
| ACCN: | NM_002984 |
| Insert Size: | 700 bp |



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| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| OTI Annotation: | <p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p> |
| Components: | <p>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).</p> |
| Reconstitution Method: | <ol style="list-style-type: none"> 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: | <p>NM_002984.1, NP_002975.1</p> |
| RefSeq Size: | <p>696 bp</p> |
| RefSeq ORF: | <p>667 bp</p> |
| Locus ID: | <p>6351</p> |
| UniProt ID: | <p>P13236</p> |
| Cytogenetics: | <p>17q12</p> |
| Domains: | <p>IL8</p> |
| Protein Families: | <p>Druggable Genome, Secreted Protein, Transmembrane</p> |
| Protein Pathways: | <p>Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Toll-like receptor signaling pathway</p> |
| Gene Summary: | <p>The protein encoded by this gene is a mitogen-inducible monokine and is one of the major HIV-suppressive factors produced by CD8+ T-cells. The encoded protein is secreted and has chemokinetic and inflammatory functions. [provided by RefSeq, Dec 2012]</p> |