

Product datasheet for **MC211745**

II34 (NM_029646) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: II34 (NM_029646) Mouse Untagged Clone
Tag: Tag Free
Symbol: II34
Synonyms: 2010004A03Rik; AI593503
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211745 representing NM_029646
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGCCCTGGGACTCGCCTGGCTATACTGTCTTGGGATCCTACTTGACGTGGCTTTGGGAAACGAGAATT
TGGAGATATGGACTCTGACCCAAGATAAGGAGTGTGACCTTACAGGCTACCTTCGGGGCAAGCTGCAGTA
CAAGAACCGGCTTCAGTACATGAAACATTACTTCCCCATCAACTACAGGATTGCTGTGCCTTATAGGGG
GTACTCAGAGTGGCCAACATCACAAAGGCTGCAGAAGGCTCACGTGAGTGAGCGAGAGCTTCGGTACCTGT
GGTCTTGGTGAAGTCTCAATGCCACTGAGTCTGTGATGGATGTACTTCTCGAGGGCCACCCGCTCCTGGAA
GTATCTACAGGAGGTTTACAGCATTGCTGGAGAACGTACAGCGGAGCCTCATGGCCGTTGGTGTACACCTG
CCGGGACACGTACTTGTGACCCTGCTCAGCCAGCTGCCTGGCCTCCCCAGCCATGGGCCAGATCATTTG
ACACCAGCTGGGAGCTTCTGATGATGAAAGGATGTGGAGATTGGCCCTCACGTGGAAGCTGTGTTATCTC
TTCTGAGTACTCCAGGCCTAAGCCTGAAGCTGGTGGGCCCAAAGCCTTGCTGGACAACCTGCTCCGGGT
CATGGAAGTGTACTGTTCTTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029646
Insert Size: 660 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<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:	NM_029646.3 , NP_083922.1
RefSeq Size:	1865 bp
RefSeq ORF:	660 bp
Locus ID:	76527
UniProt ID:	Q8R1R4
Cytogenetics:	8 E1
Gene Summary:	<p>Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region which results in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1.</p>