

Product datasheet for **RN215394**

lI34 (NM_001025766) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: lI34 (NM_001025766) Rat Untagged Clone
Tag: Tag Free
Symbol: lI34
Synonyms: MGC112852
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215394 representing NM_001025766
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCTGGGGACTCGCCTGGTTATACTGTCTTGGGATCCTACTTGACGTGGCTTTGGGAAACGAGAATT
TGGAGATATGGACTCTGGCCAAGATAAAGAATGTGATCTTACAGGCTACCTTCGGGGCAAGCTGCAGTA
CAAGAACCGGCTTCAGTACATGAAACATTACTTCCCCATCAACTACAGGATTGCTGTGCCTTATAGGGG
GTACTCAGAGTGGCCAACATCACGAGGCTGAAGGCCATGTGAGTGAGCGAGAGCTGCGGTACCTGTGGG
TCTTGGTGAGCCTCAACGCCACTGAGTCTGTGCTGGATGTGCTGCTGGAGGGACACCCATCCTGGAAGTA
TCTACAGGAGGTTCAGACATTGCTGGAGAATGTTACGCGGAGCCTCATGGATGTGGAGATTGGCCCTCAC
GTGGAAGCTGTGTATCTCTTCTGAGTACCCTGGCCTAAGCCTGAAGCTGGTGGCGCCAAAGCCTTGT
TGGATAACTGCTCCGGGTCATGGAGCTGCTGTACTGCTTGTGCAAAACAAAGTCCCCTTAAAATG
GCAGGACTGTGAGCTGCCAGGCTCCATCCCCACAGTCCAGATCCTTGATGCAATGTGCAGCTACCAAC
GTGTACCCTTGCCTCGGCAGCCCCACCTCCCTGCCAGGTCCCCAAGTCAAACCATGGCCCCGTTGC
CCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025766
Insert Size: 705 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_001025766.1 , NP_001020937.1
RefSeq Size:	1549 bp
RefSeq ORF:	705 bp
Locus ID:	498951
UniProt ID:	Q4KM46
Cytogenetics:	19q12
Gene Summary:	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]