

Product datasheet for MC208875

Lef1 (NM_010703) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lef1 (NM_010703) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lef1
Synonyms:	3000002B05; AI451430; Lef-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208875 representing NM_010703 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAACTTCCGGAGGAGGCGGGGGGGACCCGAACTCTGCGCCACCGATGAGATGATCCCT
TCAAGGACGAAGGCGATCCCCAGAAGGAGAAGATCTTCGCCGAGATCAGTCATCCCGAAGAGGAGGGCGA
CTTAGCCGACATCAAGTCATCTTTGGTTAACGAGTCCGAAATCATCCAGCCAGCAACGGGCATGAGGTG
GTCAGACAAGCCCGTCCTCTCAGGAGCCCTACCAGACAAGGCCAGAGAACACCCTGATGAAGGAAAGC
ATCCAGACGGAGGCTGTACAACAAGGGACCCTCTACTCCAGTTACTCTGGCTACATAATGATGCCCAA
TATGAACAGCGACCCGTACATGTCAAATGGGTCCCTTCTCCACCCATCCCGAGGACATCAATAAAGTG
CCCGTGGTGCAGCCCTCTCACGCGGTCCACCCGCTCACCCCTCATCACCTACAGCGACGAGCACTTTT
CTCCGGGATCCCACCCGTACACATCCCGTCAGATGTCAACTCCAAGCAAGGCATGTCCAGACACCCCTCC
AGCTCCTGAAATCCCACCTTCTACCCCTGTCTCCGGGCGGCGTTGGACAGATCACCCACCCATTGGC
TGGCAAGGTGAGCCTGTTTATCCCATCACGGGTGGATTGAGGCAACCCTACCCATCCTCACTGTCAGGCG
ACACTCCATGTCCAGGTTTTCCCATCATATGATTCTGGTCCCCTGGCCCCACACAAGGATGCCATCCC
TCATCCAGCTATTGTAACACCTCAGGTCAAACAGGAGCACCCCAACAGGACAGTGACCTAATGCACGTG
AAGCCTCAACAGCAACAGAGAAAGGAGCAGGAGCCAAAAGACCTCATATTAAGAAGCCTCTGAATGCTT
TCATGTTATATATGAAAGAAATGAGAGCGAATGTCGTAGCTGAGTGCACGCTAAAGGAGAGTGACAGCTAT
CAACCAGATCCTGGGCAGAAAGATGGCACGCCCTCTCCCGGAAGAGCAGGCCAAAATACTATGAACTAGCA
CGGAAAGAGAGACAGCTACACATGCAGCTTTATCCAGGCTGGTCAGCGGAGACAATTATGGCAAGAAGA
AGAAGAGGAAGAGAGAGAAGCTACAGGAGTCGACTTCAGGTACAGGTCCCAGAATGACAGCTGCCTACAT
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1649_e04.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010703
Insert Size:	1194 bp
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_010703.3 , NP_034833.2
RefSeq Size:	2460 bp
RefSeq ORF:	1194 bp
Locus ID:	16842
UniProt ID:	P27782
Cytogenetics:	3 60.78 cM
Gene Summary:	<p>Participates in the Wnt signaling pathway. Activates transcription of target genes in the presence of CTNNB1 and EP300. May play a role in hair cell differentiation and follicle morphogenesis. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1 (By similarity). Regulates T-cell receptor alpha enhancer function. Binds DNA in a sequence-specific manner. PIASG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>