

Product datasheet for **MC207534**

Litaf (NM_019980) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Litaf (NM_019980) Mouse Untagged Clone
Tag: Tag Free
Symbol: Litaf
Synonyms: 3222402J11Rik; C85531; N4WBP3; TBX1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207534 representing NM_019980
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGCTCCAGGACCTTACCAAGCAGCTGCAGGCCCTTCAGTAGTGCCACCCGACCCCCAACCTATG
 AAGAAACAGTGGGTGTCAACAGTTACTACCAACGCCCCAGCACCTATGCCGGGACCAGCCACAGGGCT
 CATTACAGGCCCAGATGGGAAGGAATGAATCCACCTTCGTAACACCCAGCCTGTGCCTGTCCCCAAC
 GCCAACGCAATTGCCGTGCAGACCGTTTATGTGCAGCAGCCTGTCTCCTTCTATGACCGCCCGTCCAGA
 TGTGCTGTCTTCTGCAGCAAGATGATCGTGACCCAGCTGTCCTACAATGCGGGAGCCCTCACCTGGCT
 CTCCTGTGGCAGTCTGTGTCTGCTGGGATGCGTTGCTGGCTGCTGCTTCATCCCCTTCTGCGTAGACGCC
 CTACAGGATGTGGACCACTACTGCCCAACTGCAAAGCGCTCCTGGGCACCTACAAGCGCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_019980
Insert Size: 486 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).



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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:	<u>NM_019980.2</u> , <u>NP_064364.1</u>
RefSeq Size:	2240 bp
RefSeq ORF:	486 bp
Locus ID:	56722
UniProt ID:	<u>Q9JLJ0</u>
Cytogenetics:	16 A1
Gene Summary:	Plays a role in endosomal protein trafficking and in targeting proteins for lysosomal degradation. Plays a role in targeting endocytosed EGFR and ERG3 for lysosomal degradation, and thereby helps downregulate downstream signaling cascades (PubMed:23166352). Helps recruit the ESCRT complex components TSG101, HGS and STAM to cytoplasmic membranes. Probably plays a role in regulating protein degradation via its interaction with NEDD4 (By similarity). May also contribute to the regulation of gene expression in the nucleus. Binds DNA (in vitro) and may play a synergistic role with STAT6 in the nucleus in regulating the expression of various cytokines (PubMed:15793005, PubMed:21980379). May regulate the expression of numerous cytokines, such as TNF, CCL2, CCL5, CXCL1, IL1A and IL10 (PubMed:12355436, PubMed:15025820, PubMed:16954198, PubMed:21980379, PubMed:22160695).[UniProtKB/Swiss-Prot Function]