

## Product datasheet for **SC108532**

### LITAF (NM\_004862) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LITAF (NM_004862) Human Untagged Clone
Tag:	Tag Free
Symbol:	LITAF
Synonyms:	PIG7; SIMPLE; TP53I7
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108532 sequence for NM_004862 edited (data generated by NextGen Sequencing) ATGTCGGTTCCAGGACCTTACCAGGCGGCCACTGGGCCTTCCTCAGCACCATCCGCACCT CCATCCTATGAAGAGACAGTGGCTGTTAACAGTTATTACCCACACCTCCAGCTCCCATG CCTGGGCCAACTACGGGGCTTGTGACGGGGCTGATGGGAAGGGCATGAATCCTCCTTCG TATTATACCCAGCCAGCGCCCATCCCAATAACAATCCAATTACCGTGCAGACGGTCTAC GTGCAGCACCCCATCACCTTTTTGGACCGCCCTGTCCAAATGTGTTGTCCTTCCTGCAAC AAGATGATCGTGAGTCAGCTGTCTATAACGCCGGTGCTCTGACCTGGCTGTCTGCGGG AGCCTGTGCCTGCTGGGGTGCATAGCGGGCTGCTTTCATCCCCTTCTGCGTGGATGCC CTGCAGGACGTGGACCATTACTGTCCCAACTGCAGAGCTCTCCTGGGCACCTACAAGCGT TTGTAG  Clone variation with respect to NM_004862.3 274 a=>g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004862 unedited  GGGATATTTGTCAATACCGACTGCACTGATAGGGGCGGGCCGCGAGATTCGCACGAGGCC  AGCTCAAACCTCCCGGCTCGACAGGCGGCGGGCGGGTAAAAATGTCGGTTCCAGGAC  CTTACCAGGCGGCCACTGGGCCTTCTCAGCACCATCCGCACCTCCATCCTATGAAGAGA  CAGTGGCTGTAAACAGTTATTACCCACACCTCCAGTCCCATGCCTGGGCCAACTACGG  GGCTTGTGACGGGGCCTGATGGGAAGGGCATGAATCCTCCTTCGTATTATACCCAGCCAG  CGCCCATCCCCAATAACAATCCAATTACCGTGCAGACGGTCTACGTGCAGCACCCCATCA  CCTTTTTGGACCGCCTGTCAAATGTGTTCCTTCTGCAACAAGATGATCGTGAGTC  AGCTGTCTATAACGCCGGTGTCTGACCTGGCTGTCTGCGGGAGCCTGTGCCTGCTGG  GGTGCATAGCGGGCTGCTGCTTCATCCCCTTCTGCGTGGATGCCCTGCAGGACGTGGACC  ATTACTGTCCCAACTGCAGAGCTCTCCTGGGCACCTACAAGCGTTTGTAGGACTCAGCCA  GACGTGGAGGGAGCCGGGTGCCGAGGAAGTCTTTCCACCTCTCATCCAGCTTCACGCC  TGGTGGAGGTTCTGCCCTGGTGGTCTCACCTCTCCAGGGGGCCACCTTCATGTCTTCTT  TTGGGGGAATACGTGCGANAATAACAATCTCAAACCCAGAAATTGCTGCTGGAG  TCGTGCATAGGACTTGCAAAGACATTCCCCTTGAGTGTGAGTTCACGGTTTCTGCCTC  CCTGAGACCTGAGTCTGCCATCTAACTGTGATCATTGCCCTATCCGATATCTTCTGT  GATCTGCCATCAGTGGCTCTTTTTCTGCTCCATGGGCCCTTCTGTGGCAGTCTCAAC  TGAGAAACACAGNTGCCTNATTTTGAGGCTGNT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004862 unedited  TGGGCAACNNNNCTTCCCTCCCNCCNNNNGGTCNTTGNNAACCGCGCCCAATCTANA  NNCGGTNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACACCGGGTGAACCAAAAATTT  ATTTTTCAAAGCAGGTAACACCAAAGTACTATGTGGTATCCATATTCGTTGCAAAAATG  ATAAATACTGGAATTTTCAAACATCAAATGAAGGGGATCAATGGTTACCACTATCGTT  TTCAAACCAATATACAAATGTTTCGCTCAAGTCTAGGTTTTATTTCTACATAGTAGTATTC  ACATGAGTTCCCTATTCTGAAGTATTATCAAACGAGGACCCCTGAAGGTCGAGCCACGC  TTTGTCTTGACTTCAAAGATGACACAGCAGCAACCTAAAATCCTGGCTTGTGCTTGGAG  TCCTAAAATCATGTCTTCTCATGTTTTACAACAAGCTGTGTCTGAAAATAAAATCA  GACTTCAGATTCCTCTGAAACAGTTCGGTTCCTAAGCATCCGCACCATGGTACCCAGAC  ATGCTCAAATGTGCTTTCCTTATCTTTCAAACCCACCACCAGGAAAAACCAAAACGGC  ACCCCACTCCTGAGAGTCCATGATGAAGTGTTTAAAGAATCACATTTAACCCCAAGTA  AAAGCAGTNAGATGAAATTTATCCATTNCTTTTTCTTTTTTTTTTTTTTTTTTAAAGGTGAGACTA  CCTTTGGCCAAAGGGGAAAAATGGACCCCAATCTTTGTATTCCCGAAAAAGGGTTTTTA  ATAAATCCCTCCTCTTTGAAATAGTGTCAACGCCCCCAATGGGAACCTTATGCCCTG  CAATCCCCAACCTTTGGGAAAGCCAGGGCAAAAAGGATCTTTTGGACCCACAGATT  TCAACACCACCTTGTGCAAAACATAAAAAGACCCCTTTTCTGTTTTTTTTTAAAAA  AAAAAATTTCTGTTCAAAAATTTTTACACAACAAAGAGGAGTAAAAAACCTGTTTTTA  TAATATCTTTTAAAAAAAATTCCTTTTTGGAAAGGGCGCTTAAAAATGGG</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004862
<b>Insert Size:</b>	2290 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_004862.2</a></u> , <u><a href="#">NP_004853.2</a></u>
<b>RefSeq Size:</b>	2368 bp
<b>RefSeq ORF:</b>	486 bp
<b>Locus ID:</b>	9516
<b>UniProt ID:</b>	<u><a href="#">Q99732</a></u>
<b>Cytogenetics:</b>	16p13.13
<b>Domains:</b>	LITAF
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>Lipopolysaccharide is a potent stimulator of monocytes and macrophages, causing secretion of tumor necrosis factor-alpha (TNF-alpha) and other inflammatory mediators. This gene encodes lipopolysaccharide-induced TNF-alpha factor, which is a DNA-binding protein and can mediate the TNF-alpha expression by direct binding to the promoter region of the TNF-alpha gene. The transcription of this gene is induced by tumor suppressor p53 and has been implicated in the p53-induced apoptotic pathway. Mutations in this gene cause Charcot-Marie-Tooth disease type 1C (CMT1C) and may be involved in the carcinogenesis of extramammary Paget's disease (EMPD). Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>