

## Product datasheet for **RG227032**

### LITAF (NM\_001136473) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LITAF (NM\_001136473) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LITAF  
**Synonyms:** PIG7; SIMPLE; TP53I7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG227032 representing NM\_001136473  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGTTCCAGGACCTTACCAGGCGGCCACTGGGCCTTCCTCAGCACCATCCGCACCTCCATCCTATG  
 AAGAGACAGTGGCTGTTAACAGTTATTACCCACACCTCCAGCTCCCATGCCTGGGCCAACTACGGGGCT  
 TGTGACGGGGCTGATGGGAAGGGCATGAATCCTCCTTCGTATTATACCCAGCCAGCGCCCATCCCCAAT  
 AACAAATCAATTACCGTGCAGACGGTCTACGTGCAGACCCCATCACCTTTTTGGACCGCCCTATCCAAA  
 TGTGTTGCTCCTCCTGCAACAAGATGATCGTGAGTCAGCTGTCCATAACGCCGGTGCTCTGACCTGGCT  
 GTCTGCGGGAGCCTGTGCTGCTGGGGCAGGAGTGCAGTGGTACGATCGTAGCTCTCCGCAGCTTTGAT  
 CTCTGGGCTCCTGCAATCCGCCAGCTCAGCCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG227032 representing NM\_001136473  
 Red=Cloning site Green=Tags(s)

MSVPGPYQAATGPSSAPSAPPSYEETVAVNSYPTPPAPMPGPTTGLVTGPDGKGMNPPSYTQPAPIPN  
 NNPITVQTVYVQHPITFLDRPIQMCCPSCNKMIVSQLSYNAGALTWLSGSLCLLQEQSGTIVALRSFD  
 LLGSCNPPSSAS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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_001136473.1</a></u> , <u><a href="#">NP_001129945.1</a></u>
<b>RefSeq Size:</b>	2577 bp
<b>RefSeq ORF:</b>	459 bp
<b>Locus ID:</b>	9516
<b>UniProt ID:</b>	<u><a href="#">Q99732</a></u>
<b>Cytogenetics:</b>	16p13.13
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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]