

## Product datasheet for SC307619

### LARP6 (NM\_197958) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LARP6 (NM_197958) Human Untagged Clone
Tag:	Tag Free
Symbol:	LARP6
Synonyms:	ACHN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307619 representing NM_197958. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGGCCAGTCCGGCGGGGAGGCTCGGCCCGGGCCCAAGACGGCGGTGCAGATCCGCGTCGCCATCCAG  
 GAGGCCGAGGACGTGGACGAGTTGGAGGACGAGGAGGAGGGGCGGAGACTCGGGCGCCGGGGACCCG  
 GCCCGGTACCTCAGCCCCGGCTGGGGCAGCGCAGCGAGGAGGAGCCGAGCCGGGCACAGGAATAGG  
 AGCTCGGTGAATTCAAGGACCATGCTTGCTTCGTTTCATTGTATCTTCAGCACCTAGCACAGCACCAGC  
 ACATAG  
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_197958
Insert Size:	282 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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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>NM_197958.2</u>
<b>RefSeq Size:</b>	683 bp
<b>RefSeq ORF:</b>	282 bp
<b>Locus ID:</b>	55323
<b>UniProt ID:</b>	<u>Q9BRS8</u>
<b>Cytogenetics:</b>	15q23
<b>MW:</b>	9.8 kDa
<b>Gene Summary:</b>	<p>Regulates the coordinated translation of type I collagen alpha-1 and alpha-2 mRNAs, CO1A1 and CO1A2. Stabilizes mRNAs through high-affinity binding of a stem-loop structure in their 5' UTR. This regulation requires VIM and MYH10 filaments, and the helicase DHX9. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks several exons and uses an alternate 3' terminal exon, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>