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Product datasheet for SC108769

LARP6 (NM_018357) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	LARP6
Synonyms:	ACHN
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC108769 sequence for NM_018357 edited (data generated by NextGen Sequencing)

ATGGCCCAGTCCGGCGGGGAGGCTCGGCCCGGGCCCAAGACGGCGGTGCAGATCCGCGTC
GCCATCCAGGAGGCCGAGGACGTGGACGAGTTGGAGGACGAGGAGGAGGGGGCGGAGACT
CGGGGCGCCGGGGACCCGGCCCGGTACCTCAGCCCCGGCTGGGGCAGCGCGAGCGAGGAG
GAGCCGAGCCGCGGGCACAGTGGCACCACTGCAAGTGGAGGTGAGAACGAGCGTGAGGAC
CTGGAGCAGGAGTGGAAGCCCCCGGATGAGGAGTTGATCAAGAAACTGGTGGATCAGATC
GAATTCTACTTTTCTGATGAAAACCTGGAGAAGGACGCCTTTTTGCTAAAACACGTGAGG
AGGAACAAGCTGGGATATGTGAGCGTTAAGCTACTCACATCCTTCAAAAAGGTGAAACAT
CTTACACGGGACTGGAGAACCACAGCACATGCTTTGAAGTATTCAGTGGTCCTTGAGTTG
AATGAGGACCACCGGAAGGTGAGGAGGACCACCCCCGTCCCACTGTTCCCCAACGAGAAC
CTCCCCAGCAAGATGCTCCTGGTCTATGATCTCTACTTGTCTCCTAAGCTGTGGGCTCTG
GCCACCCCCCAGAAGAATGGAAGGGTGCAAGAGAAGGTGATGGAACACCTGCTCAAGCTT
TTTGGGACTTTTGGAGTCATCTCATCAGTGCGGATCCTCAAACCTGGGAGAGAGCTGCCC
CCTGACATCCGGAGGATCAGCAGCCGCTACAGCCAAGTGGGGACCCAGGAGTGCGCCATC
GTGGAGTTCGAGGAGGTGGAAGCAGCCATCAAAGCCCATGAGTTCATGATCACAGAATCT
CAGGGCAAAGAGAACATGAAAGCTGTCCTGATTGGTATGAAGCCACCCAAAAAGAAACCT
GCCAAAGACAAAAATCATGACGAGGAGCCCACTGCGAGCATCCACCTGAACAAGTCCCTG
AACAAGAGAGTCGAGGAGCTTCAGTACATGGGTGATGAGTCTTCTGCCAACAGCTCCTCT
GACCCCGAGAGCAACCCCACATCCCCTATGGCGGGCCGACGGCACGCGGCCACCAACAAG
CTCAGCCCGTCTGGCCACCAGAATCTCTTTCTGAGTCCAAATGCCTCCCCGTGCACAAGT
CCTTGGAGCAGCCCCTTGGCCCAACGCAAAGGCGTTTCCAGAAAGTCCCCACTGGCGGAG
GAAGGTAGACTGAACTGCAGCACCAGCCCTGAGATCTTCCGCAAGTGTATGGATTATTCC
TCTGACAGCAGCGTCACTCCCTCTGGCAGCCCCTGGGTCCGGAGGCGTCGCCAAGCCGAG
ATGGGGACCCAGGAGAAAAGCCCCGGTACGAGTCCCCTGCTCTCCCGGAAGATGCAGACT
GCAGATGGGCTACCCGTAGGGGTGCTGAGGTTGCCCAGGGGTCCTGACAACACCAGAGGA
TTTCATGGCCATGAGAGGAGCAGGGCCTGTGTATAA

Clone variation with respect to NM_018357.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018357 unedited

GCATTTTGTATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCGGCGGCGGCGG
CGGCGGCGGCGGCGCGGGGCGGGGCGCCGCGACCCCTGTCCCTCCCCTGGGCCGAGCGGC
AGGCGCGCTCGCACCGCCCCCGCCCCCTCGTCGCAGTCGCTGCCGACCGGCTGGCTGGGC
CTTGCGGCGTGAGGACCCCGGCGGCGCCGCAGTCCCGCGAGCCATGGCCCAGTCCGGCGG
GGAGGCTCGGCCCGGGCCCAAGACGGCGGTGCAGATCCGCGTCGCCATCCAGGAGGCCGA
GGACGTGGACGAGTTGGAGGACGAGGAGGAGGGGGCGGAGACTCGGGGCGCCGGGGACCC
GGCCCGGTACCTCAGCCCCGGCTGGGGCAGCGCGAGCGAGGAGGAGCCGAGCCGCGGGCA
CAGTGGCACCACTGCAAGTGGAGGTGAGAACGAGCGTGAGGACCTGGAGCAGGAGTGGAA
GCCCCCGGATGAGGAGTTGATCAAGAAACTGGTGGATCAGATCGAATTCTACTTTTCTGA
TGAAAACCTGGAGAAGGACGCCTTTTTGCTAAAACACGTGAGGAGGAACAAGCTGGGATA
TGTGAGCGTTAAGCTACTCACATCCTTCAAAAAGGTGAAACATCTTACACGGGACTGGAG
AACCACAGCACATGCTTTGAAGTATTCAGTGGTCCTTGAGTTGAATGATGACCACCGGAA
GGTGAGGAGGACCACCCCCGTCCCACTGTTCCCCAACGAGAACCTCCCCAGCAAGATGCT
CCTGGNCTATGACCTCTACTTGNCTCCCTAGCTGTGGGCTCTGGCCACCCCCCACAAGAA
TGTAAGGGTGCCAGAGAAGGTGATGAACACCTGTTCAGCTTTTGGGGACTTTTGGAGCAT
CTCATAATGGCGGACCTCAACATGGGNAAAGACTGGCCCCTGAATCCCGGAGGACAN

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_018357 unedited
GGACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGGGGTTTTATTATT
TATTTACTTGACAGGGAACATCGATTTGGTCCTACAAGACACCATGCTATAGGCTTAGCT
ACTTGCTGTTGCACAAGAGAACTTTCCTGAACTCTCAGGAAGCCCTTGCATGGCCTATCG
AGGACAGCTCAGTCACTGAAGGGAAAAATTCCATACCAAAGAAGAGAGAAAAATTCCATA
CCAAAGAACAGACTTCCCCCAGGGAACCTCCGTCCTACAGCCCTTCAGGGCCATCACACT
CACACACATCAGCCATCATCAAAATAGTGGCCATGCTGGGAAGAACAGGAGTCCTGAACT
AGAAGGTGGTCTTCAAACCATGGCGTACCGATTTATGTATATTACAGATAGATAAATTAA
GAGGTCTACATGAATAAAAAATCTCTCAAAGGGGAACGAATTCCATTCTGTCATGCCAGG
TGTTTGTCAGAACCTTGAAAACGAAGGTGGTTTTCAGTGGAGCTTGTATTAAAAATAGAA
GGTATTTATACACAGGCCCTGCTCCTCTCATGGCCATGAAATCCTCTGGTGTTGTCAGGA
CCCCTGGGCAACCTCAGCACCCCTACGGGTAGCCCATCTGCAGTCTGCATCTTCCGGGAG
AGCAGGGGACTCGTACCGGNGCTTTTCTCCTGNGTCCCCATCTCGGCTTGGCGACGCCTN
CGGACCCAGGGCTGCCAAAGGGAGTGACGCTGCTGTCANAAGAATATCCATACACTTGCN
GAAGATCTCAGGGCTGGTGCTGCAGTTCAGTCTACCTTCCTCCGNCAGTGGGACTTTCTG
GNAAACGCCTTGCGTTGGCCCAAGGGCTGCTCCCAGGACTTGTGCACCGGGAAGCATTTG
NACTCANAAGAGATTCTGG
```

Restriction Sites: NotI-NotI

ACCN: NM_018357

Insert Size: 2340 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:
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_018357.2, NP_060827.2

RefSeq Size: 2065 bp

RefSeq ORF: 1476 bp

Locus ID: 55323

UniProt ID:	Q9BRS8
Cytogenetics:	15q23
Domains:	LA
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).