

Product datasheet for **SC108714**

LARP7 (NM_016648) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP7 (NM_016648) Human Untagged Clone
Tag:	Tag Free
Symbol:	LARP7
Synonyms:	ALAZS; HDCMA18P; hLARP7; PIP7S
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108714 sequence for NM_016648 edited (data generated by NextGen Sequencing)

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ATGGAAGCTGAAAGTGGAAATCAGGAAAAGGTAATGGAAGAAGAAAGCACTGAAAAGAAA
AAAGAAGTTGAAAAAAGAAACGGTCACGAGTTAAACAGGTGCTTGCAGATATTGCTAAG
CAAGTGGACTTCTGGTTTGGGGATGCAAATCTTACAAGGATAGATTTCTTCGAGAACAG
ATAGAAAAATCTAGAGATGGATATGTTGATATATCACTACTTGTGTCTTTTAACAAAATG
AAAAATTGACTACTGATGGGAAGTTAATTGCCAGAGCATTGAGAAGTTCACTGTTGTA
GAGCTTGATTTGGAAGGCACCAAGTCCGAGGAAAAAACCTCTGGGGGAAAGACCAAG
GATGAGGATGAACGCACAGTGTATGTGGAGTTACTTCCAAAAATGTTAATCACAGCTGG
ATTGAAAGAGTATTTGGGAAATGTGGCAATGTTGTTTATATAAGTATACCACATTATAAG
TCTACTGGAGATCCAAAGGGATTTGCGTTTGTGGAATTTGAAACAAAAGAACAAGCAGCA
AAAGCAATTGAGTTTCTTAACAACCCACCAGAAGAAGCACAAGAAAACCTGGCATATTT
CCTAAACAGTGAAAAAATAGCCCATTCCAGCCTTAAGAGTTGTGGAAGAGAAGAAAAAG
AAAAAGAAGAAGAAAGGCCGAATGAAAAAGGAAGACAATATCCAAGCCAAAGAAGAAAAC
ATGGACACAAGCAACACCAGCATCAGTAAAATGAAAAGATCCAGACCCACATCTGAGGGC
TCTGACATTGAGTCCACTGAACCCCAAAAGCAGTGCTCAAAGAAAAAGAAAAACGGGAC
AGAGTTGAAGCATCTAGCTTACCTGAAGTCAGAACAGGGAAGAGGAAGAGAAGCAGCTCT
GAAGATGCAGAATCCCTAGCTCCCGATCAAAAGTAAAGAAAATTATTCAGAAAGACATC
ATTAAGGAAGCATCAGAAGCTTCCAAGGAAAAATAGAGATATAGAAATCTCTACTGAAGAG
GAAAAGGATACTGGAGATCTAAAGATAGCTCTCTCTTGAACAAAAAGGAAACATAAG
AAAAACATAAAGAGAGACATAAAATGGGAGAAGAAGTTATACCATTAAGAGTGTATCA
AAGAGCGAATGGATGGATTTGAAAAAGAGTATTTAGCGCTACAAAAAGCTAGCATGGCT
TCTTTAAAAAAAACAATATCCCAATATAATCAGAGTCAGAAATGGAACAGACAGTGGA
GTACCTCAAAACACTGGAATGAAAAATGAAAAAACGCCAACAGGGAAGAGTGTCCGACC
CAGGAGAAAAGTTAATGCAACAGGACCACAGTTCGTGAGTGGAGTGATTGTGAAGATCATT
AGCACAGAGCCTCTACCTGGCAGGAAACAAGTCCGGGATACTTTGGCAGCAATCTCAGAA
GTTCTTTATGTTGATTTGCTAGAAGGGGATACAGAATGCCATGCTAGATTTAAACTCCT
GAGGATGCTCAAGCAGTAATAAATGCCTATACAGAAATTAACAAGAAACACTGCTGGAAA
CTCGAGATCCTTTCTGGTATCACGAACAAAGGTATTGGCAGAAGATTTTGGTTGATAGA
CAGGCAAACTTAATCAGCCTCGGGAAGAAAAGAGGCACTGAAAAGTTAATCACCAAA
GCTGAAAAGATTAGACTGGCAAGACTCAACAAGCGAGTAAACATATAAGATTTTCTGAA
TATGATTGA
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Clone variation with respect to NM_016648.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016648 unedited
AATTTGTATACGACTATTAGCGGCCGGATTCCCGAGCGTTTTCCAGATGGACTGACTG
TGGCTGCCGAAATACGACGATGGAACCTGAAGTGGAAATCAGAAAAGTAATGGAAGAAGAA
AGCACTGAAAAGAAAAAGAATTGAAAAAAGAAACGGTCACGAGTTAAACAGGTGCTTG
CAGATATTGCTAAGCAAGTGGACTTCTGGTTTGGGGATGCAAATCTTACAAGGATAGAT
TTCTTCGAGAACAGATAGAAAAATCTAGAGATGGATATGTTGATATATCACTACTTGTGT
CTTTTAACAAAATGAAAAATGACTACTGATGGGAAGTTAATTGCCAGAGCATTGAGAA
GTTTCAGCTGTTGTAGAGCTTGATTTGGAAGGCACCAAGTCCGGAGGAAAAAACCTCTGG
GGGAAAGACCAAGGATGAGGATGAACGCACAGTGTATGTGGAGTTACTTCCAAAAATG
TTAATCACAGCTGGATTGAAAGAGTATTTGGGAAATGTGGCAATGTTGTTTATATAAGTA
TACCACATTATAAGTCTACTGGAGATCCAAAGGATTTGCGTTTGTGGAATTTGAACAA
AAGAACAAGCAGCAAAAGCAATTGAGTTTCTTAACAACCCACCAGAAGAAGCACCAGAA
AACCTGGCATATTTCTAAAACAGTGAAAAATAAGCCATTCCAGCCTTAAGAAGTTGTG
GAAGAGAAGAAAAGGAAAAGAAGAAGAGGCCCGATGAAAAGGAGACATATCCCAAGC
AAAGAAGAAACATGGACACAAGCNAACACAGCATCAGTAAAATGAAAGATCCGACCCCAT
CTGAGGGCTCTGACATTGAGTCCACTGAACCCAN
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016648 unedited <pre> GGCAATTCTTAGTAGNTACAAGNTTNTNTNTCTCTTCTCTTCTCTTCTCTCTCTCT TTTTCTTTTCTTTCTTTCTTAAAGGGCACAAAACACATTTATTTACTAAATCACCTGACA CTGACCTCTAAAAATAATTTCAACAAATAAAATGTTTAAAAAAATGGGGGATACATCAT ATTTGCCTCTAAAAAAAGTCTTATTTACAAGTTGAGGAACAAAGATATTTCTTTAATT AAAAACACATTAATTATGCAGGGCTACCATAATAAAAGGGAATCTCCAAAAACAGCTCA AGTATCTTGGGAAGTTTTAAAGGGGAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT TTATATGTTTACTCGCTTGTTGAGTCTTTGCCAGTCTAATCTTTTCAGCTTTGGGGATTA ACTTTTCAGGGCTCTTTTCTTTTCCCGAGGCTGATTAAGTTTTGCCTGTCTATCAACCA AAATCTTCTGCCAATACCTTTGTTTCGGGATCACCAAAAAGGATCTCGAGTTTCCAGCAGG GTTTCTTGTTAATTCCTGGATAGGCATTAATTACTGCTTGAGCATCCTCAGGAGTTTAA ATCTAGCATGGCATTCTGTATCCCCTTCTAGCAAATCAACATAAAGAACTTCTGAGATTG CTGCCAAAGTATCCGAAGTGTTCCTGCCAGGAAAAGGCTCTGTCCTAATGATCCTCA CATTCACCTCCCCTCACGACCTGGGCCCTGTGCGATTAACCTTTCTCTGGGCGCGACCT CTTCCCTGTAGCCTGTTTTTTCATTTTTTCATCCAGGGTTTGGAGCCCCACCTGGCGTT CCCTTCCGACTTGATTTTTTGGGAATTGTTTCTTTTAAACCCAGCTCACCTTTGGAA CGCTAAACTCTTTTTCAACCCCCATTCCCCCTTGTAAACCCCTTAAGGGAAACTCCTTC CCCCATTTAGGCCCTCTTAAGGTTTCTCTATGGCCCTTTGTTACAAAAAATTTCTTAA ACTCATCTCCCTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016648
Insert Size:	2250 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.
RefSeq:	<u>NM_016648.1</u> , <u>NP_057732.1</u>
RefSeq Size:	1438 bp
RefSeq ORF:	645 bp
Locus ID:	51574
UniProt ID:	<u>Q4G0J3</u>
Cytogenetics:	4q25

Gene Summary:

This gene encodes a protein which is found in the 7SK snRNP (small nuclear ribonucleoprotein). This snRNP complex inhibits a cyclin-dependent kinase, positive transcription elongation factor b, which is required for paused RNA polymerase II at a promoter to begin transcription elongation. A pseudogene of this gene is located on chromosome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2012]

Transcript Variant: This variant (1) lacks two 5' exons compared to variant 3. These differences cause translation initiation at a downstream AUG and result in a protein (isoform 1) with a shorter N-terminus compared to isoform 2. Variants 1 and 2 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.