

Product datasheet for **SC321720**

LARP7 (NM_016648) Human Untagged Clone

Product data:

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



Fully Sequenced ORF:	>OriGene sequence for NM_016648.2 GGAAACGTTGTCGCTCATCCTATGACGCGAAAGTAACCGAGACTATCAGGATCTGGAGA CGGAATGTCCGAAGGCAGCAGTACTTGACCCTGTATTTTGGGAGTCGAACGGAGACTCT GCCATCGTCCTCAAAGAGTAAAAATCCAGTTACGGAAGGGAACAACTTGTCTAGATA TGGTGTGCAGAGTGCCTTTGCAAGAACTTAAGAGAAAAACAAATGATAGGACACAGGGT GGTGAAGATCTCAAAGAGATAATCTGGCCCTGTGTTTTAAAGGTACAAAGAACTAAA GCTATGATCCCTAACATAGAAGGAATGGAAGTGAAGTGGAAATCAGGAAAAGGTAATG GAAGAAGAAAGCACTGAAAGAAAAAGAGTTGAAAAAGAAACGGTCACGAGTTAAA CAGGTGCTTGCAATATTGCTAAGCAAGTGGACTTCTGGTTTGGGGATGCAAACTTTCAC AAGGATAGATTTCTTCGAGAACAGATAGAAAACTAGAGATGGATATGTTGATATATCA CTACTGTGTCTTTTAAACAAATGAAAAATTGACTACTGATGGGAAGTTAATTGCCAGA GCGTTGAGAAGTTGAGCTGTTGTAGAGCTTGATTGGAAGGCACCAAGATCCGGAGGAAA AAACCTCTGGGGGAAAGACCAAGGATGAGGATGAACGCACAGTGTATGTGGAGTTACTT CCCAAAATGTTAATCAGAGTGGATTGAAAGAGTATTTGGGAAATGTGGCAATGTTGTT TATATAAGTATACCACATTATAAGTCTACTGGAGATCCAAAGGATTTGCGTTTGTGGAA TTTGAACAAAAGAACAGCAGCAAAAGCAATTGAGTTTCTTAACAACCCACCAGAAGAA GCACCAAGAAAACCTGGCATATTTCTTAAACAGTGAAAAATAAGCCATTCCAGCCTTA AGAGTTGTGGAAGAGAAGAAAAAGAAAAAGAAAGAAAGGCCGAATGAAAAAGGAAGAC AATATCCAAGCCAAAGAAGAAACATGGACACAAGCAACACCAGCATCAGTAAATGAAA AGATCCAGACCCACATCTGAGGGCTCTGACATTGAGTCCACTGAACCCAAAAGCAGTGC TCAAAGAAAAAGAAAAACGGGACAGAGTTGAAGCATCTAGCTTACCTGAAGTCAGAACA GGGAAGAGGAAGAGAAGCAGCTCTGAAGATGCAGAAATCCCTAGCTCCCGATCAAAAGTA AAGAAAATTATTCAGAAGACATCATTAGGAAGCATCAGAAGCTTCCAAGGAAATAGA GATATAGAAATCTACTGAAGAGGAAAAGGATACTGGAGATCTAAAGATAGCTCTCTC TTGAAAACAAAAGGAAACATAAGAAAAAACATAAGAGAGACATAAAATGGGAGAAGAA GTTATACCATTAGAGTGCTATCAAAGAGCGAATGGATGGATTGAAAAAGAGTATTTA GCGCTACAAAAGCTAGCATGGCTTCTTAAAAAAACAATATCCCAATAAAATCAGAG TCAGAAATGGAACAGACAGTGGAGTACCTCAAACACTGGAATGAAAAATGAAAAACA GCCAACAGGGAAGAGTGTGCGACCCAGGAGAAAGTTAATGCAACAGGACCACAGTTCTGTG AGTGGAGTGATTGTGAAGATCATTAGCACAGAGCCTCTACCTGGCAGGAAACAAGTCCGG GATACTTTGGCAGCAATCTCAGAAGTTCTTTATGTTGATTTGCTAGAAGGGGATACAGAA TGCCATGCTAGATTTAAACTCCTGAGGATGCTCAAGCAGTAATAATGCCTATACAGAA ATTAACAAGAAACACTGCTGGAACTCGAGATCCTTTCTGGTGATCACGAACAAAGGTAT TGGCAGAAGATTTTGGTTGATAGACAGGCAAACTTAATCAGCCTCGGGAAGAAAGAA GGCACTGAAAAGTTAATCACCAGGCTGAAAAGATTAGGCTGGCAAGACTCAACAAGCG AGTAAACATATAAGATTTTCTGAATATGATTGAAAAAAGCAGTTACCTCTTAATAC TTCACAAGATACTTGAGCTGTTCTTGGGAGATTCACTTTTATTATGTTAGCACTGCATAA TTAATGTGTTTTAATTAAGGAAATATCTTTGTTCTCACTTGTAATAAGACTTTTT TCTAGAGACAAATATGATGTATACCACAATTTTCTTAACATTTTATTTGTTGAAATT ATCTTAGATGTCAGTGTGAGGTGATTAGTAAATAAATGTGTTTTGAACATTAACAAAAA AAAAAAAAAAGAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_016648
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.

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:	<u>NM_016648.2, NP_057732.2</u>
RefSeq Size:	2303 bp
RefSeq ORF:	1749 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.