

Product datasheet for **RC209809**

LARP7 (NM_016648) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP7 (NM_016648) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LARP7
Synonyms:	ALAZS; HDCMA18P; hLARP7; PIP7S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC209809 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACTGAAAGTGGAAATCAGGAAAAGGTAATGGAAGAAGAAAGCACTGAAAAGAAAAAGAAGTTG
 AAAAAAGAAACGGTCACGAGTTAAACAGGTGCTTGCAGATATTGCTAAGCAAGTGGACTTCTGGTTTGG
 GGATGCAAAATCTTCACAAGGATAGATTTCTTCGAGAACAGATAGAAAAATCTAGAGATGGATATGTTGAT
 ATACTACTTGTGTCTTTTAAACAAAATGAAAAATTGACTACTGATGGGAAGTTAATTGCCAGAGCGT
 TGAGAAGTTCAGCTGTTGTAGAGCTTGTATTTGGAAGGCACCAGAATCCGGAGGAAAAACCTCTGGGGGA
 AAGACCAAGGATGAGGATGAACGCACAGTGTATGTGGAGTACTTCCCAAAAATGTTAATCACAGCTGG
 ATTGAAAGAGTATTTGGGAAATGTGGCAATGTTGTTTATATAAGTATACACATTATAAGTCTACTGGAG
 ATCCAAAGGGATTTGCGTTTGTGGAATTTGAAACAAAAGAACAAGCAGCAAAAAGCAATTGAGTTTCTTAA
 CAACCCACCAGAAGAAGCACCAAGAAAACCTGGCATAATTCCTAAAACAGTGAAAAATAAGCCATTCCA
 GCCTTAAGAGTTGTGGAAGAGAAGAAAAAGAAAAAGAAGAAGAAAGGCCGAATGAAAAAGGAAGACAATA
 TCCAAGCCAAAGAAGAAAACATGGACACAAAGCAACACCAGCATCAGTAAAATGAAAAATCCAGACCCAC
 ATCTGAGGGCTCTGACATTGAGTCCACTGAACCCAAAAGCAGTGCTCAAAGAAAAAGAAAAACGGGAC
 AGAGTTGAAGCATCTAGCTTACCTGAAGTCAGAACAGGGAAGAGGAAGAGAAGCAGCTCTGAAGATGCAG
 AATCCCTAGCTCCCGATCAAAAGTAAAGAAAATTATTCAGAAAGACATCATTAAAGGAAGCATCAGAAGC
 TTCCAAGGAAAATAGAGATATAGAAATCTACTGAAGAGGAAAAGGATACTGGAGATCTAAAAGATAGC
 TCTCTCTTGAAAAACAAAAGGAAACATAAGAAAAACATAAAGAGAGACATAAAATGGGAGAAGAAGTTA
 TACCATTAAGAGTGCTATCAAGAGCGAATGGATGGATTTGAAAAAGAGTATTTAGCGCTACAAAAGC
 TAGCATGGCTTCTTTAAAAAAAACAATATCCCAATAAAAATCAGAGTCAGAAATGGAAACAGACAGTGGA
 GTACCTCAAAACACTGGAATGAAAAATGAAAAACAGCCAACAGGGAAGAGTGTCGCACCCAGGAGAAAAG
 TTAATGCAACAGGACCACAGTTCGTGAGTGGAGTATTGTGAAGATCATTAGCACAGAGCCTCTACCTGG
 CAGGAAACAAGTCCGGGATACTTTGGCAGCAATCTCAGAAGTTCTTTATGTTGATTTGCTAGAAGGGGAT
 ACAGAATGCCATGCTAGATTTAAAACCTCTGAGGATGCTCAAGCAGTAATAAATGCCTATACAGAAATTA
 ACAAGAAACACTGCTGAAAACCTGAGATCCTTTCTGGTGATCACGAACAAAGGATTGGCAGAAGATTTT
 GGTGATAGACAGGCAAACTTAATCAGCCTCGGAAAAGAAAAGAGGCACTGAAAAGTTAATCACCAA
 GCTGAAAAGATTAGGCTGGCAAAGACTCAACAAGCGAGTAAACATATAAGATTTTCTGAATATGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209809 protein sequence
 Red=Cloning site Green=Tags(s)

METESGNQEKVMEEESTEKKKEVEKKRSRVKQVLADIAKQVDFWFGDANLHKDRFLREQIEKSRDGYVD
 ISLLVSFNKMKKLTDDGKLIARALRSSAVVELDLEGTRIRRKPLGERPKDEDERTVYVELLPKNVNSW
 IERVFGKCGNVVYISIPHYKSTGDPKGFVFEFETKEQAAKAIEFLNPPPEEAPRKPPIFKTVKNKPIP
 ALRVVEEKKKKKKGRMKKEDNIQAKEENMDTSNTSISKMKRSRPTSEGSDIESTEPQKQCSKKKKKRD
 RVEASSLPEVRTGKRKRSSSEDAESLAPRSVKKIIQKDIKEASEASKENRDIEISTEEKDTGDLKDS
 SLLKTRKHKKHKKRHKMGEEVIPLRVLKSEWMDLKKKEYLALQKASMASLKKTSIQIKSESEMETS
 VPQNTGMKNEKTANREECRTQEKVNATGPQFVSGVIVKIIISTEPLPGRKQVRDTLAAISEVLYVDLLEGD
 TECHARFKTPEDAQAVINAYTEINKKHCWKLEILSGDHEQRYWQKILVDRQAKLNQPREKKRGTEKLITK
 AEKIRLAKTQASKHIRFSEYD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6545_d07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN:

NM_016648

ORF Size:

1746 bp

OTI Disclaimer:

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:
[NM_016648.4](#)
RefSeq Size:

2292 bp

RefSeq ORF:

1749 bp

Locus ID:

51574

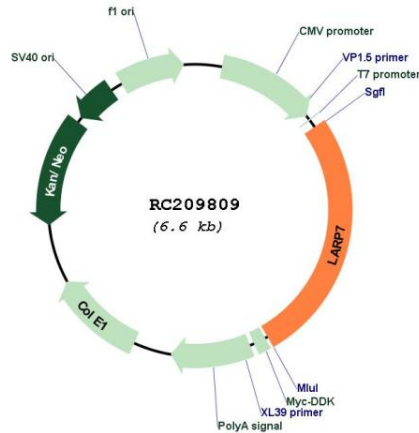
UniProt ID:
[Q4G0J3](#)
Cytogenetics:

4q25

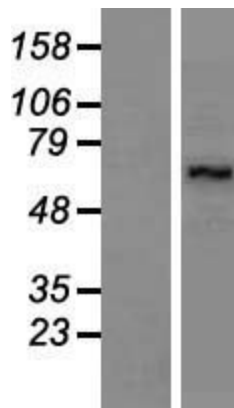
MW: 66.9 kDa

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]

Product images:



Circular map for RC209809



Western blot validation of overexpression lysate (Cat# [LY414535]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC222994] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).