

Product datasheet for **RG234507**

LARP7 (NM_001267039) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP7 (NM_001267039) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LARP7
Synonyms:	ALAZS; HDCMA18P; hLARP7; PIP7S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234507 representing NM_001267039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCCCTAACATAGAAGGAATGGAACTGAAAGTGAAATCAGGAAAAGGTAATGGAAGAAGAAAGCA
 CTGAAAAGAAAAAGAAGTTGAAAAAAGAAACGGTCACGAGTTAAACAGGTGCTTGCAGATATTGCTAA
 GCAAGTGGACTTCTGGTTTGGGGATGCAATCTTCACAAGGATAGATTTCTTCGAGAACAGATAGAAAA
 TCTAGAGATGGATATGTTGATATCACTACTGTGTCTTTAACAAAATGAAAAATTGACTACTGATG
 GGAAGTTAATTGCCAGAGCATTGAGAAGTTCAGCTGTTGTAGAGCTTGATTTGGAAGGCACCAGAATCCG
 GAGGAAAAACCTCTGGGGGAAAGACCAAGGATGAGGATGAACGCACAGTGTATGTGGAGTTACTTCCC
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 CACATTATAAGTCTACTGGAGATCCAAAGGGATTTGCGTTTGTGGAATTTGAAACAAAAGAACAAGCAGC
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 AATGAAAAGATCCAGACCCACATCTGAGGGCTCTGACATTGAGTCCACTGAACCCCAAAAGCAGTGCTCA
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 GTTGATTTGCTAGAAGGGGATACAGAATGCCATGCTAGATTTAAACTCTGAGGATGCTCAAGCAGTAA
 TAAATGCCTATACAGAAATTAACAAGAAACACTGCTGGAACTCGAGATCCTTTCTGGTGATCACGAACA
 AAGGTATTGGCAGAAGATTTTGGTTGATAGACAGGCAAACTTAATCAGCCTCGGAAAAAGAAAAGAGGC
 ACTGAAAAGTTAATCACCAAAGCTGAAAAGATTAGACTGGCAAGACTCAACAAGCGAGTAAACATATAA
 GATTTTCTGAATATGAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

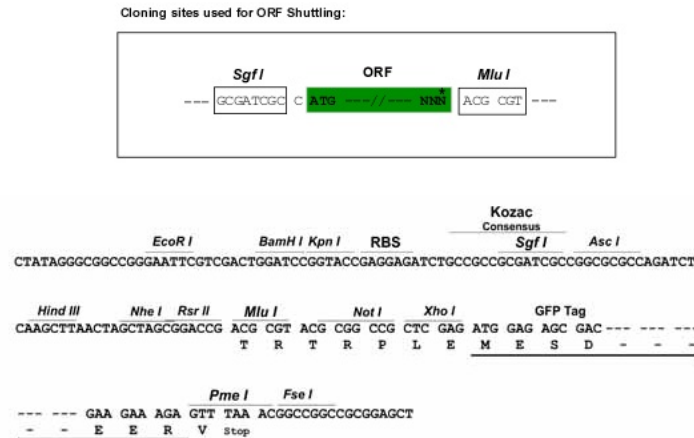
>RG234507 representing NM_001267039
 Red=Cloning site Green=Tags(s)

MIPNIEGNETESGNQEKVMEESTEKKEVEKKKRSRVKQVLADIAKQVDFWFGDANLHKDRFLREQIEK
 SRDGYVDISLLVSFNKMKKLTTDGKLIARALRSSAVVELDLEGTRIRRKPLGERPKDEDERTVYVELLP
 KNVNHSWIERVFGKCGNVVYISIPHYKSTGDPKGFAFVEFETKEQAAKAEFLNPPPEEAPRKPGIFPKT
 VKNKPIPALRVVEEKKKKKKKGRMKKEDNIQAKENMDTSNTSISKMKRSRPTSEGSDIESTEPQKQCS
 KKKKKRDRVEASSLPEVRTGKRKRSSSEDAESLAPRSKVKKIIQKDIKEASEASKENRDIEISTEEKD
 TGDLDSSLLKTRKHKKKKHKKHMGEEVIPLRVLKSEWMDLKKEYLALQKASMASLKKTISQIKSES
 EMETDSGVPQNTGMKNEKTANREECRTQEKVNATGPQFVSGVIVKIIISTEPLPGRKQVRDTLAAISEVLY
 VDLLEGDTCHARFKTPEDAQAVINAYTEINKKHCKWLEILSGDHEQRYWQKILVDRQAKLNQPREKKRG
 TEKLITKAEKIRLAKTQQASKHIRFSEYD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001267039

ORF Size: 1767 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_001267039.1](#), [NP_001253968.1](#)

RefSeq Size: 2500 bp

RefSeq ORF: 1770 bp

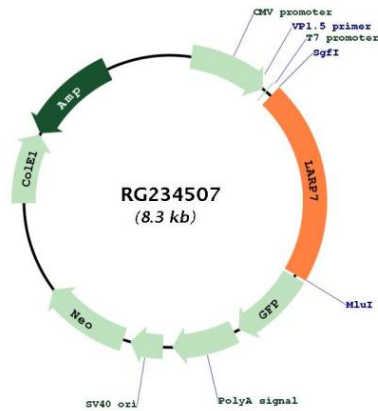
Locus ID: 51574

UniProt ID: [Q4G0J3](#)

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]

Product images:


Circular map for RG234507