

Product datasheet for **RG213414**

LARP4B (NM_015155) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LARP4B (NM_015155) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LARP4B
Synonyms:	KIAA0217; LARP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG213414 representing NM_015155
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACTTCTGATCAGGACGCTAAGGTTGTGGCTGAACCGCAGACGCAGAGAGTCCAGGAGGGCAAGGACA
 GCGCTCATCTGATGAATGGTCCTATATCTCAAACCACTTCTCAGACAAGTTCCATCCCACCTTTGAGTCA
 GGTACCAGCAACTAAGGTTTCAGAGCTGAACCTAATGCAGAAGTGTGGGGGGCTCCTGTGTACATCTG
 GAAGCAAGCAGTGTCTGACGGTGTGAGTGTGCATGGGAGGAGGTGGCTGGCCACCACGCAGACCGTG
 GCGCGCAGGGATCGGATGCCAATGGTGATGGTGACCGAGGCCATGAGAATGCCGATTGCCAGACCCGCA
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 TCCACACCTGGAGCCCCCAGAGACCAGAGGCGGCCGGCGGGGGCCGCCCTCGCCCTCGGCCATGGGGA
 AGCGTCTCAGCCGAGAGCAGAGCACTCCCCCAAGTCTCCTCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG213414 representing NM_015155
 Red=Cloning site Green=Tags(s)

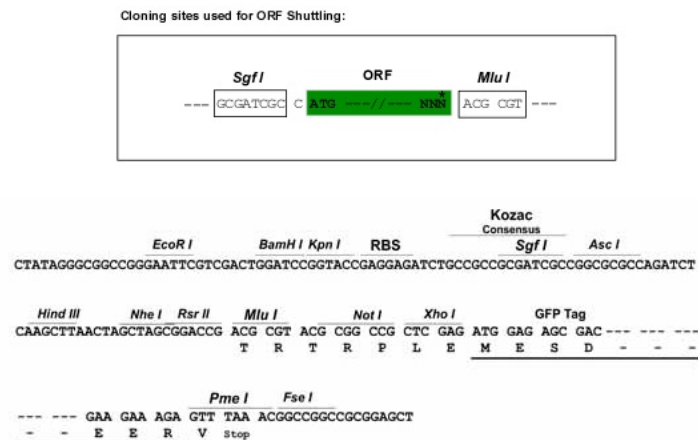
MTSDQDAKVVAEPQTQVRVQEGKDSAHLMNPGISQTTSTSSIPPLSQVPATKVSELNPNAEVWGAPVLHL
 EASSAADGVSAAWEEVAGHHADRGPGQSDANGDGDQGHENAALPDPQESDPADMNALALGPSEYDSL
 PENSETGGNESQPDSDQEDPREVLKKTLEFCLSRENLASDMYLISQMSDQYVPITTVANLDHIKKLSTDV
 DLI VEVLRSLPLVQVDEKGEKVRPNQNCIVILREISESTPVEEVEALFKGDNLPKFINCEFAYN
 DNWFITFE TEADAQQAYKYLREEVKTFQGKPIKARIKAKAIAINTFLPKNGFRPLDVSLYAQQRYAT
 SFYFPPMYSPQ QQFPLYSLITPQTWSATHSYLDPLVTPFPNTGFINGFTSPAFAKPAASPLTSLRQY
 PPRSRNPSKSHLRH AIPSAERGPGLLESPIFNFTADRLINGVRSPQTRQAGQTRTRIQNPSAYAKRE
 AGPGRVEPGSLESSPG LGRGRKNSFGYRKKEEFTSSQTQSPTPPKPPSPSFELGLSSFPPPLPGA
 AAGNLKTEDLFENRLSSLIIIG PSKERTLSADSVNTLPVVVSREPSVPASCAVSATYERSPSPAHL
 PDDPKVAEKQRETHSVDRPLPSALTA TACKSVQVNGAATLRKPSYAEICQRTSKEPPSSPLQPQKE
 QKPNTVGCCKEEKKLAEPARYREPPALK STPGAPRDQRRPAGGRSPSAMGKRLSREQSTPPKSPQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_015155

ORF Size: 2214 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_015155.3](#)

RefSeq Size: 5640 bp

RefSeq ORF: 2217 bp

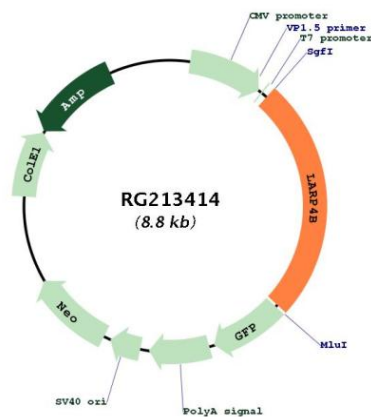
Locus ID: 23185

UniProt ID: [Q92615](#)

Cytogenetics: 10p15.3

Gene Summary: This gene encodes a member of an evolutionarily conserved protein family implicated in RNA metabolism and translation. Members of this family are characterized by the presence of an La motif, which is often located adjacent to one or more RNA recognition motifs (RRM). Together, the two motifs constitute the functional region of the protein and enable its interaction with the RNA substrate. This protein family is divided into five sub-families: the genuine La proteins and four La-related protein (LARP) sub-families. The protein encoded by this gene belongs to LARP sub-family 4. It is a cytoplasmic protein that may play a stimulatory role in translation. [provided by RefSeq, Oct 2012]

Product images:



Circular map for RG213414