

Product datasheet for **RG203991**

FHL3 (NM_004468) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: FHL3 (NM_004468) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: FHL3
 Synonyms: SLIM2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG203991 representing NM_004468
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGAGTCATTTGACTGTGCAAAAATGCAACGAGTCCCTGTATGGACGCAAGTACATCCAGACAGACA
 GCGGCCCTACTGTGTGCCCTGCTATGACAATACCTTTGCCAACACCTGTGCTGAGTGCCAGCAGCTTAT
 CGGGCATGACTCGAGGGAGCTGTTCTATGAAGACCGCCATTTCCACGAGGGCTGCTTCCGCTGCTGCCGC
 TGCCAGCGCTCACTAGCCGATGAACCTTCACCTGCCAGGACAGTGAGCTGCTCTGCAATGACTGCTACT
 GCAGTGCCTTTTCTCGCAGTGTCCGCTGTGGGGAGACTGTGATGCCTGGGTCCCGGAAGCTGGAATA
 TGGAGGCCAGACATGGCATGAGCACTGCTTCTGTGAGTGGCTGTGAACAGCCACTGGGCTCCCGTCTCT
 TTTGTGCCGACAAGGGTGTCACTACTGCGTGCCTGCTATGAGAACAAGTTTGCTCCTCGCTGCGCCC
 GCTGCAGCAAGACGCTGACACAGGGTGGAGTGACATACCGTGATCAGCCGTGGCATCGAGAATGTCTGGT
 CTGTACCGGATGCCAGACGCCCCGGCAGGGCAGCAGTTCACCTCCCGGGATGAAGATCCCTACTGTGTG
 GCCTGTTTTGGAGAACTTTGCACCTAAGTGCAGCAGCTGCAAGCGCCCCATCGTAGGACTCGGTGGAG
 GCAAGTATGTGTCCTTTGAAGACCGACTGGCACCACAAGTCTTCTCTGCGCCCGTGTCTACCTC
 CCTGGTGGCCAGGGCTTCGTACCGGATGGAGACCAAGTGTCTGCCAGGGCTGTAGCCAGGCAGGGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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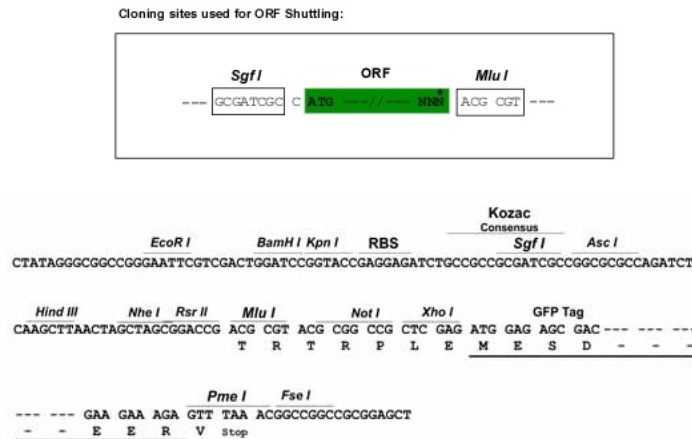
Protein Sequence: >RG203991 representing NM_004468
 Red=Cloning site Green=Tags(s)

MSESFDAKCNESLYGRKYIQTDSGPYCVPCYDNTFANTCAECQQLIGHDSRELFYEDRHFHEGCFRCCR
 CQRSLADEPFTCQDSELLCNDYCSAFSSQCSACGETVMPGSRKLEYGGQTWHEHCFLCSGCEQLGSRS
 FVPDKGAHYCVPCYENKFAPRCARCSKTLTQGGVTYRDQPWHRECLVCTGCQTPLAGQQFTSRDEDPYCV
 ACFGELFAPKCSSCKRPVGLGGGKYVSFEDRHHHNCFCSCARCSTSLVGQGFVPDGDQVLCQGCSSQAGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004468

ORF Size: 840 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_004468.5](#)

RefSeq Size: 1738 bp

RefSeq ORF: 843 bp

Locus ID: 2275

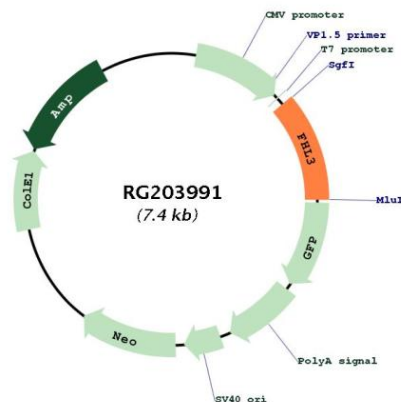
UniProt ID: [Q13643](#)

Cytogenetics: 1p34.3

Domains: LIM

Gene Summary: The protein encoded by this gene is a member of a family of proteins containing a four-and-a-half LIM domain, which is a highly conserved double zinc finger motif. The encoded protein has been shown to interact with the cancer developmental regulators SMAD2, SMAD3, and SMAD4, the skeletal muscle myogenesis protein MyoD, and the high-affinity IgE beta chain regulator MZF-1. This protein may be involved in tumor suppression, repression of MyoD expression, and repression of IgE receptor expression. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RG203991