

Product datasheet for **RG234155**

FMC1-LUC7L2 (NM_001244584) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FMC1-LUC7L2 (NM_001244584) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FMC1-LUC7L2
Synonyms:	C7orf55; C7orf55-LUC7L2; FMC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234155 representing NM_001244584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCTTAGGGTCCCCGTCGCACACTTTTCGAGGACTTCTGCGGGAGTTGCGCTACCTGAGCGCGG
 CCACCGCGCGACCTATCGCGACACCGCGGCCTATCGGTACCTTGTGAAGGCTTTCCGTGCACATCGGGT
 CACCAGTGAAGTTGTGCAGAGCCCAACATGAGCTTCATTTCCAAGCTGCCACCTATCTCTGCCTCCTG
 CGTAGCATCCGGAACATGTGGCCCTACATCAGGAATTTTCATGGCAAGGGAGATACAACCTCGTCAACGAA
 TCAAATTCAGTGATGACAGAGTATGCAAGAGTCACCTTCTCAACTGTTGCTCTCATGATGTCCTTTCTGG
 AACTAGAATGGATCTTGGAGAATGTCTGAAAGTCCATGACCTGGCTTTAAGAGCGGATTATGAAATTGCA
 TCCAAAGAACAAGATTTTTCTTTGAAGTTGATGCCATGGATCATCTGCAGTCATTTCATTGCAGATTGTG
 ATCGTAGAACAGAAGTGCCAAGAAAAGATTAGCAGAACTCAAGAAGAGATTAGTGCTGAAGTAGCAGC
 AAAGGCAGAACGTGTTTCATGAGTTAAATGAAGAAATTGGTAAATTGTTAGCCAAGGTGGAACAACCTAGGA
 GCTGAAGGGAATGTGGAGGAATCCAGAAAGTAATGGATGAAGTAGAGAAAGCACGGGCAAGAAAAGAG
 AAGCAGAGGAAGTTATCGGAATTCTATGCCAGCTTCCAGTTTTTCAGCAGCAGAACTTCGAGTCTGTGA
 AGTCTGCTCTGCCTATTTAGGACTTCATGATAATGACAGACGACTGGCTGATCATTTTGGGGTAACTG
 CACCTGGGATTTATTGAAATAAGAGAGAAGCTTGAAGAATTAAGAGAGTCGTAGCTGAGAAGCAGGAGA
 AAAGAAACCAGGAACGGCTGAAACGAAGAGAAGAGAGAGAGAGAAGAAAGGGAGAAGCTGAGGAGGTC
 CCGATCACACAGCAAGATCCAAAAGATCCAGGTCCAGAGAGCATCGCAGACATCGATCTCGCTCCATG
 TCACGTGAACGCAAGAGGAGAAGTCCGATCCAAATCTCGGGAGAACGCCATCGCCACAGGTCCCCTCCA
 GCAGCCGTAGCCGAGCCGTAGCCACCAGAGAAGTCGGCACAGTTCTAGAGATAGGAGCAGAGAAGCATC
 CAAGAGGAGATCCTCAAAGAAAAGATTACAGAGACCAAGACTTAGCATCATGTGACAGAGACAGGAGTTCA
 AGAGACAGATCACCTCGTGACAGAGATCGAAAGATAAGAAGCGTCTATGAGAGTGCTAATGGCAGAT
 CAGAAGACAGGAGGAGCTCTGAAGAGCGCGAAGCAGGGGAGATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234155 representing NM_001244584
 Red=Cloning site Green=Tags(s)

MAALGPSHTFRGLLRELRYLSAATGRPYRDTAAYRYLVKAFAHRVTSEKLCRAQHELHFQAATYLCLL
 RSIRKHVALHQEFHGKGDTRQRIKFSDDRVCCKSHLLNCCPHDVLSGTRMDLGECLKVHDLALRADYEIA
 SKEQDFFELDAMDHLQSFADCDRTEVAKKRLAETQEEISA EVAAKAERVHELNEEIGKLLAKVEQLG
 AEGNVEESQKVMDEVEKARAKKREAEVYRNSMPASSFQQQKLRVCEVCSAYLGLHDNDRRLADHFGGKL
 HLGFIETREKLEELKRVVAEKQEKRNQERLKRREEREREEREKLRRSRSHSKNPKRSRSREHRRHRSRM
 SRERKRRTSRKSREKRHRHRSRSSRSRSHQSRHSSRDRSRERSKRRSSKERFRDQDLASCDRDRSS
 RDRSPDRDRDKKRSYESANGRSEDRRSSEEREAGEI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001244584

ORF Size: 1374 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_001244584.2](#), [NP_001231513.1](#)

RefSeq Size: 2747 bp

RefSeq ORF: 1377 bp

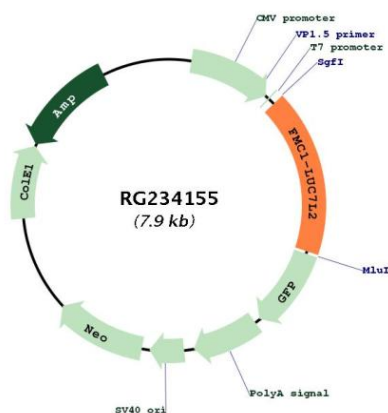
Locus ID: 100996928

UniProt ID: [Q96HJ9](#)

Cytogenetics: 7q34

Gene Summary:

This locus represents naturally occurring readthrough transcription between the neighboring C7orf55 (chromosome 7 open reading frame 55) and LUC7L2 (LUC7-like 2) genes on chromosome 7. The readthrough transcript encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Jul 2012]

Product images:


Circular map for RG234155