

Product datasheet for **RG222748**

LRIT3 (NM_198506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRIT3 (NM_198506) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRIT3
Synonyms:	CSNB1F; FIGLER4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG222748 representing NM_198506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATCTCTTTGCATGTCTGTGCATTGCTCTTAGCTTTTTGGAAGGAGTGGGCTGTTTGTGCCTTCAC
 AGTGCACCTGTGATTATCACGGCAGAAATGACGGCTCAGGATCAAGGTTGGTGCTATGTAATGACATGGA
 TATGAACGAGCTGCCTACGAACCTCCCCGTGGACACTGTGAAGCTTCGCATAGAGAAGACTGTCATCCGC
 AGAATCTCTGCGGAGGCCTTCTATTACCTGGTGGAGCTCCAGTATCTCTGGGTGACTTACAATCCGTGG
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 GGCTGCTTTCCCTTGGGCATCTCTGCTGGACATGCCCTTCTGAGGACCCTGGACTTGCACAATAACAAA
 ATAACCAGTGTGCCAAATGAGGGCTCAGGTATCTGAAGAACCTGCCTACTTGGATTTATCAAGCAACA
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 GGACCTTTCCCAAGCAGGATTATCTTGGTCTACAGGACAATCCTTGGTTCTGTGACTGTCATATTTCC
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 AACCTGAGCGCCTCACAGGAATTTTGTTCAGCGGGCTGAATTGGAGCATTGTCTGAAACCATCAGTGAT
 GACCTCAGCCACCAAAATCATGTCTGCTCTGGCAGTAATGTTCTACTGCGGTGTGATGCCACTGGCTTC
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 CCCAGAAAGACCAATGCATCACCTTTTCTACTGAAAGAGTTGAAGGAGATGATTCTCAATGGTCTCTCC
 TTCTCGTGGTGACCAGTACTGCCTGTGTTGTTATCTTACCATTGATTTGTTTCTTGTGTACAAAGTTTG
 CAAACTGCAATGTAATCAGAACCTTTTGGGAAGATGATTTGGCAAAGGAGACTTATATCCAATTTGAG
 ACCCTGTTTCCAGGTCTCAAAGTGTAGGTGAGCTCTGGACACGAAGCCACAGGGATGACTCAGAGAAAT
 TGCTGCTTTGTTCTAGGTCAAGTGTGGAATCTCAGGTGACTTTTAAAAGTGAAGTTCCAGACCAGAGTA
 TTATTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222748 representing NM_198506
Red=Cloning site Green=Tags(s)

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MHLFACLCIVLSFLEGVGCLCPSQCTCDYHGRNDGSGSRLVLCNDMDMNELPTNLPVDTVKLRIEKTVIR
RISAEAFYYLVELQYLWVTYNSVASIDPSSFYNLKQLHELRLDGNLAAPFWASLLDMPLLRTLHLHNNK
ITSVPNEALRYLKNLAYLDLSSNRLTLLPPDFLESWTHLVSTPSGVLDLSPSRIILGLQDNPFCDCHIS
KMIELSKVVDP AIVLLDPLMTCSEPERLTGILFQRAELEHCLKPSVMTSATKIMSALGNSVLLRCDATGF
PTPQITWTRSDSSPVNYTVIQESPEEGVRSIMSLTGISSKDAGDYKCKAKNLAGMSEAVTVTVLGITT
TPIPPDTSERTGDHPEWDVQPGSGRSTSVSSASSYLWSSSFPTSSFSASTLSPSTASFSLSPFSSTV
SSTTTLSTISASTTMANKRSFQLHQGGKRNLKVAKNGSKLPPASTSKKEELALLDQTMLTETNAAIENL
RVVSETKESVTLTWNMINTTHNSAVTVLYSKYGGKDLLLNADSSKNQVTIDGLEPGGQYMACVCPKGPV
PQKDQCITFSTERVEGDDSQWSLLL VVTSTACVVILPLICFLLYKVKLQCKSEPFWEDDLAKETIYQFE
TLFPRSQSVGELWTRSHRDDSEKLLLCSSSVESQVTFKSEGRPEYYC
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198506

ORF Size: 2037 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_198506.5](#)

RefSeq Size: 3641 bp

RefSeq ORF: 2040 bp

Locus ID: 345193

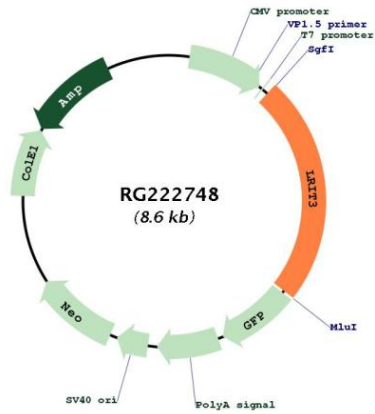
UniProt ID: [Q3SXY7](#)

Cytogenetics: 4q25

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein that has a fibronectin type III domain and a C-terminal transmembrane domain, as well as a leucine-rich repeat domain and immunoglobulin-like domain near the N-terminus. The encoded protein may regulate fibroblast growth factor receptors and affect the modification of these receptors, which are glycosylated differently in the Golgi and endoplasmic reticulum. Mutations in this gene are associated with congenital stationary night blindness, type 1F. [provided by RefSeq, May 2013]

Product images:



Circular map for RG222748