

Product datasheet for **SC309750**

LRIT3 (NM_198506) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRIT3 (NM_198506) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRIT3
Synonyms:	CSNB1F; FIGLER4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC309750 representing NM_198506.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCATCTCTTTGCATGTCTGTGCATTGTCTTAGCTTTTGAAGGAGTGGGCTGTTTGTGTCCTTCA
CAGTGCACCTGTGATTATCACGGCAGAAATGACGGCTCAGGATCAAGGTTGGTGCTATGTAATGACATG
GATATGAACGAGCTGCCACGAACCTCCCGTGGACACTGTGAAGCTTCGCATAGAGAAGACTGTCATC
CGCAGAATCTCTGCGGAGGCCTTCTATTACCTGGTGGAGCTCCAGTATCTCTGGGTGACTTACAATTCC
GTGGCCAGCATTGACCCAGCAGCTTTTACAACCTGAAGCAACTGCATGAGTTGCGCTTGGATGGGAAT
TCTCTGGTGCTTTCCCTTGGGCATCTCTGCTGGACATGCCCCTTCTGAGGACCTGGACTTGCACAAT
AACAAAATAACCAAGTGTGCCAAATGAGGCGCTCAGGTATCTGAAGAACCTGCCTACTTGGATTTATCA
AGCAACAGACTCACCACATTGCCACCAGATTTCTGGAGAGCTGGACTCATTTAGTTTCAACACCTTCT
GGAGTCTGGACCTTTCCCAAGCAGGATTATTCTTGGTCTACAGGACAATCCTTGGTTCTGTGACTGT
CATATTTCCAAAATGATTGAGTTGTCAAAGGTCGTTGACCTGCTATAGTGCTTCTGGATCCACTGATG
ACTTGCACTGAACCTGAGCGCCTCACAGGAATTTGTTTCAGCGGGCTGAATTGGAGCATTGTCTGAAA
CCATCAGTGATGACCTCAGCCACCAAAATCATGTCTGCTCTGGGCAGTAATGTTCTACTGCGGTGTGAT
GCCACTGGCTTCCCCACCCACAGATCATATGGACCAGATCTGACAGCTCGCCAGTTAATTATACAGTA
ATACAAGAATCTCCAGAGGAAGGAGTCAAGTGGTCCATAATGAGCTTGACAGGCATTTCTTCCAAAGAC
GCTGGGGATTACAAATGTAAGGCCAAAAATCTGGCTGGGATGTCAGAAGCTGTGGTTACTGTGACAGTG
CTTGGCATTACCACACTCCAATACCACCAGACACTTCTGAAAGAACTGGAGATCATCTGAGTGGGAT
GTCCAGCCGGGATCTGGAAGATCTACATCTGTATCTAGCGCATCATCATATCTTTGGTCTCTTCTCTCCT
TCTCCTCTCCACTGTTTCTTCAACCACAACCTCTGAGCACAAGCATCTCAGCAAGTACCACCATGGCC
AACAAAGCATCATTCCAGCTCCACCAAGGTGGGAAAAGAAATTTAAAGGTGGCAAGAATGGAAGTAAG
CTTCTCCAGCCAGCACAAGTAAGAAAGAAGAGCTGGCATTGTTGGATCAAACAATGCTTACGGAGACA
AATGCCGCAATAGAAAACCTCAGGGTGGTCAAGTGAAGTAAAGAGAGTGTGACATTGACGTGGAATATG
ATCAACACCACACATAACTCTGCAGTGACTGTGTTGATTCCAAGTATGGTGGGAAGGACCTGCTGCTG
TTGAATGCAGACTCCAGCAAGAACCAAGTAACCATAGATGGCTTGAACCCGGTGGGCAATACATGGCC
TGTGTCTGTCCAAAAGGAGTGCCTCCCCAGAAAGACCAATGCATCACCTTTTCTACTGAAAGAGTTGAA
GGAGATGATTCTCAATGGTCTCTCCTTCTCGTGGTGACCAGTACTGCCTGTGTTGTTATCTTACCATTG
ATTTGTTTCTTGTGTACAAAGTTTGAAACTGCAATGTAATCAGAACCTTTTGGGAAGATGATTG
GCAAAGGAGACTTATATCCAATTTGAGACCTGTTTCCAGGTCTCAAAGTGTAGGTGAGCTCTGGACA
CGAAGCCACAGGGATGACTCAGAGAAATGCTGCTTTGTTCTAGGTCAAGTGTGGAATCTCAGGTGACT
TTTAAAGTGAAGGTTCCAGACCAGATATTATTGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
ACCN: NM_198506
Insert Size: 2040 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198506.4
RefSeq Size:	3601 bp
RefSeq ORF:	2040 bp
Locus ID:	345193
UniProt ID:	Q3SXY7
Cytogenetics:	4q25
Protein Families:	Transmembrane
MW:	74.8 kDa
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]