

Product datasheet for **RG223584**

LRIG1 (NM_015541) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRIG1
Synonyms:	LIG-1; LIG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG223584 representing NM_015541
Red=Cloning site Blue=ORF Green=Tags(s)

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

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>RG223584 representing NM_015541
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Red=Cloning site Green=Tags(s)

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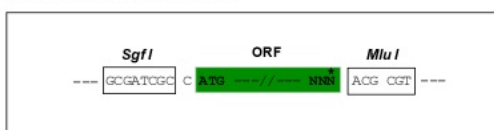
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Kozac
Consensus

EcoR I *BamH I* | *Kpn I* RBS *Sgf I* *Ase I*

CTATAGGGCGGCGGGGAATTCTGC TACTGGATCCGGTACCGAGGAGATCTGCCGCCGCATCGCCGCGCGCCAGATCT

Hind III *Nhe I* *Rsr II* *Mlu I* *Not I* *Xho I* GFP Tag

CAAGCTTAAGTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -

Pme I *Fse I*

--- --- GAA GAA AGA GTT TAA ACGGCGGCGCGCGAGCT
- - - E E R V Stop

ACCN:

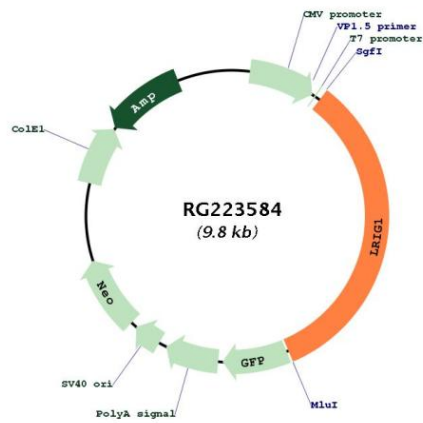
NM_015541

ORF Size:

3279 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015541.3
RefSeq Size:	4812 bp
RefSeq ORF:	3282 bp
Locus ID:	26018
UniProt ID:	Q96JA1
Cytogenetics:	3p14.1
Domains:	LRRNT, LRRCT, LRR, ig, LRR_TYP, IGc2, IG, LRR_SD22, LRR_PS
Protein Families:	Transmembrane
Gene Summary:	Acts as a feedback negative regulator of signaling by receptor tyrosine kinases, through a mechanism that involves enhancement of receptor ubiquitination and accelerated intracellular degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223584