

Product datasheet for **RG213294**

LEKR1 (NM_001004316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEKR1 (NM_001004316) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LEKR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213294 representing NM_001004316 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCTTAAGGAAAAAGAAGACTCTTTAATGACTTGTCACAGATATATAAAGCATTACAGGAAGAGC
TGACTGTGAAAGAAAAGCAAGAAGAAGACATAAAGAGAAGAATTAACCTTGCAAAAAATGAACTGGAGAT
AACCAAACTCTTCTGAATCAGACAAGGGAAGAGGTTTTAACACTGAAAAATGAAAGGGAATTGATGCTG
ATTTACATCAGAAAAGCATCGAGCAGCTGCAAGAAACCCTTAGACAGAAGCTGCTGAGTGATATAACT
GGAAGGAGAAGATTGAAGCAGAACTTGCCAAGGAAAGGGCCCAACACTTGGTTGAATTTGAAGCAAGC
TCTTCTTTAAGGAAGAAACAAAATTGCAACTTGATATTGAAAAAGAAAAACACCAAGATGTAATCCAA
AAGTATAAGAAAGAAACAAGGAACTACAATGAAGATATCTGACTTAATCACAGGCGCTACAAGAGATC
TAAGGCAGGAAGTGACCACTCTTAAAGAAAACTTACAAATCCCATACTCGGTACACTGAAGAATCTAA
TTCAAAGGAAAAAGAAATTGAAATCTTAAAAATTTGGTTGCAGAATTTGAATCTCGCTTGAAGAAGGAA
ATTGACAGTAATGATTCAGTTTCAGAAAACCTTGAGGAAGGAAATGGAACAGAAGTCGGATGAACTGAAA
GAGTAATGCTGGCTCAACACAACCTGATAGAGCAATTTAACCAGTCCCAGGAAGAGAATACTTTTCTTCA
GGAGACAGTGGTAGAGAATGTGAAGAACGCTTGAAGTACAGAGGCTTTGAGTCAAGCCAGAGAACAG
CTCCTGGAGCTCAGTAAGCTTCGTGGAAGTTTACCATTCTCACCGTGTTCCCTCAGCAAGGCAGCCTAA
CCTCCCTGCTGCAGCAGTCAATCATGGAGAGAGAAGCCTTGCAAGACTGAACTCTGAAAAAGGAAT
CCAAATTTCCCAACTGCGCGGGGTGTCAAACCCACCCTTTCCCAACTCAGATAAGCCGAAGAGGGTT
AGATCAGGCGTGCCATTCTCCCCAGCCACATCTCCAGGGGTGGAGCATCTTCAGCAATGAGACTA
GACAGAGACTGGCTGCCATTCTTAGGAGAAGGCGGAGTCAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213294 representing NM_001004316
 Red=Cloning site Green=Tags(s)

MLLKEKEDSLMTCQQIYKALQEELTVKEKQEEDIKRRINLAENELEITKTLNQTREEVLTKNERELML
 ISHQKSIEQLQETLRQKLLSDDNWKIEAELAKERAQHLVEFEEQALLFKEETKLQLDIEKEKHQDVIQ
 KYKKEQEELQMKISDLITGATRDRLRQEVTTLKEKLHKSHTRYTEESNSKEKEIENLKNLVAEFESRLKKE
 IDSNSVSENLRKEMEQQSDELKRVMLAQTQLIEQFNQSQEENTFLQETVRRECEERFELTEALSQAREQ
 LLELSKLRGSLPFSPCSLSKGSLSLTPAAAVSNHGERSLARLNSEKGIQIPNLRGVSKPTTFPTSDPKPRV
 RSGVPILPQPHPPRGGASSANETRQRLAAILRRRRSQQ

TRTRPLE - GFP Tag - V

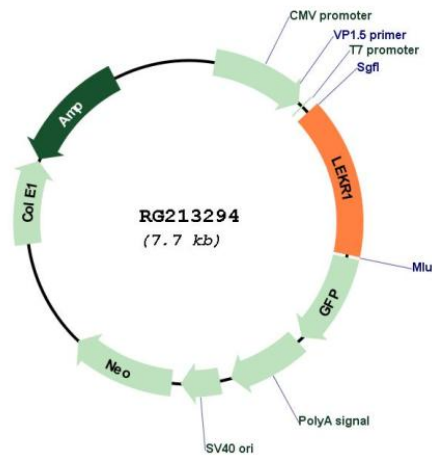
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001004316

ORF Size:	1164 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:	<ol style="list-style-type: none">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_001004316.1 , NP_001004316.1
RefSeq Size:	2881 bp
RefSeq ORF:	2079 bp
Locus ID:	389170
Cytogenetics:	3q25.31