

Product datasheet for **RG231050**

KLRF2 (NM_001190765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KLRF2
Synonyms:	NKp65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG231050 representing NM_001190765
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGAATGAAGATGGGTATATGACGCTGAGTTTCAAGAATCGTTGTAATCGAAGCAGAAATCTAAAG
ATTTCTCCCTATATCCACAATATTATTGTCTTCTGCTCATATTTGGATGCATTGTGATCCTTATATTCAT
TATGACAGGGATTGACCTGAAGTTCTGGCATAAAAAATGGATTCTCCAGAATGTAACGTCAGCAGT
CTATCAGGACACAATTACTTGTGCCAAATGACTGGCTGTTGAACGAAGGAAATGTTACTGGTTTTCAA
CTTCTTTTAAACGTGGAAAGAGAGTCAACGTGATTGTACACAGCTACAGGCACATTTACTGGTGATTCA
AAATTTGGATGAGCTGGAGTTCATACAGAACAGTTTAAACCTGGACATTTTGGTTGGATTGGACTATAT
GTTACATTCCAAGGGAACCTATGGATGTGGATAGATGAACACTTTTATGTTCCAGAATTGTTTTCAGTGA
TTGGACCAACTGATGACAGGAGCTGTGCCGTTATCACAGGAACTGGGTGATTCTGAAGACTGTAGCTC
CACATTTAAGGGCATTTGCCAGAGAGATGCGATCTTGACGCACAATGGAACCAAGTGGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231050 representing NM_001190765
Red=Cloning site Green=Tags(s)

MENEDGYMTLSFKNRCKSKQSKDFSLYPQYYCLLLIFGCIVILIFIMTGIDLKFWHKKMDFSQNVNVSS
LSGHNYLCPNDWLLNEGKCYWFSTSFKTWKESQRDCTQLQAHLLVIQNLDELEFIQNSLKPGHFGWIGLY
VTFQGNLWMWIDEHFLVPELFSVIGPTDDRSCAVITGNWVYSEDCSSTFKGICQRDAILTHNGTSGV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



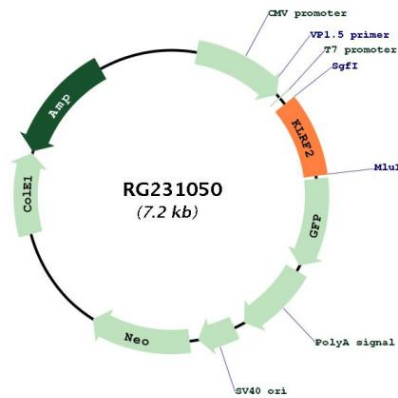
Cloning Scheme:



ACCN:	NM_001190765
ORF Size:	621 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_001190765.1 , NP_001177694.1
RefSeq Size:	731 bp

RefSeq ORF:	624 bp
Locus ID:	100431172
UniProt ID:	<u>D3W0D1</u>
Cytogenetics:	12p13.31
Gene Summary:	C-type lectin-like receptor involved in natural killer cell mediated cytotoxicity and cytokine secretion in keratinocytes via its interaction with CLEC2A.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG231050