

Product datasheet for **RC231050**

KLRF2 (NM_001190765) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	KLRF2
Synonyms:	NKp65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231050 representing NM_001190765
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAATGAAGATGGGTATATGACGCTGAGTTTCAAGAATCGTTGTAATCGAAGCAGAAATCTAAAG
ATTTCTCCCTATATCCACAATATTATTGTCTTCTGCTCATATTTGGATGCATTGTGATCCTTATATTCAT
TATGACAGGGATTGACCTGAAGTTCTGGCATAAAAAATGGATTTCTCCAGAATGTAACGTCAGCAGT
CTATCAGGACACAATTACTTGTGCCAAATGACTGGCTGTTGAACGAAGGGAATGTTACTGGTTTTCAA
CTTCTTTTAAACGTGGAAAGAGAGTCAACGTGATTGTACACAGCTACAGGCACATTTACTGGTGATTCA
AAATTTGGATGAGCTGGAGTTCATACAGAACAGTTTAAACCTGGACATTTTGGTTGGATTGGACTATAT
GTTACATTCCAAGGGAACCTATGGATGTGGATAGATGAACACTTTTGTAGTTCCAGAATTGTTTTCAGTGA
TTGGACCAACTGATGACAGGAGCTGTGCCGTTATCACAGGAACTGGGTGATTCTGAAGACTGTAGCTC
CACATTTAAGGGCATTGCCAGAGAGATGCGATCTTGACGCACAATGGAACCACTGGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231050 representing NM_001190765
Red=Cloning site Green=Tags(s)

MENEDGYMTLSFKNRCKSKQSKDFSLYPQYYCLLLIFGCIVILIFIMTGIDLKFVHKMKMDFSQNVNVSS
LSGHNYLCPNDWLLNEGKCYWFSTSFKTWKESQRDCTQLQAHLLVIQNLDELEFIQNSLKPQHGFWIGLY
VTFQGNLWMWIDEHFLVPELFSVIGPTDDRSCAVITGNWVYSEDCSSTFKGICQRDAILTHNGTSGV

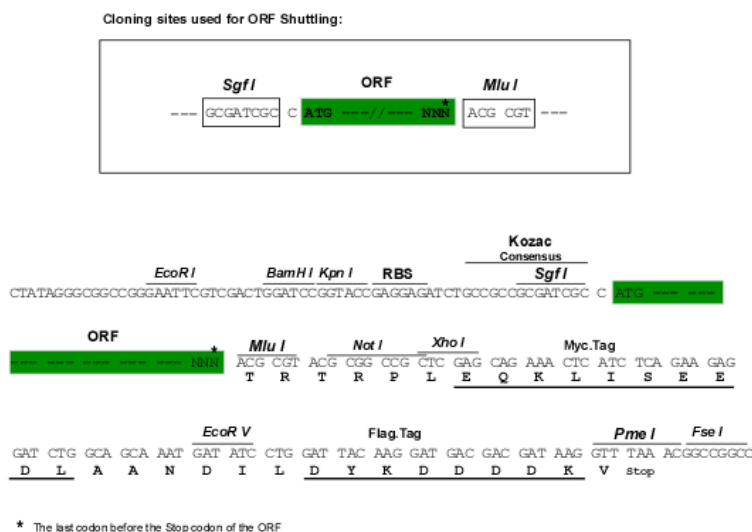
TRTRPLEQKLI**SEEDLAANDILDYKDDDDK**V



Chromatograms: https://cdn.origene.com/chromatograms/mk8108_a12.zip

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.

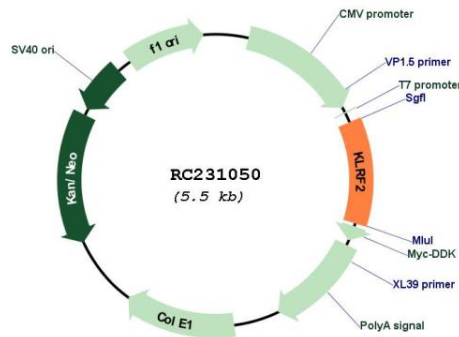
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

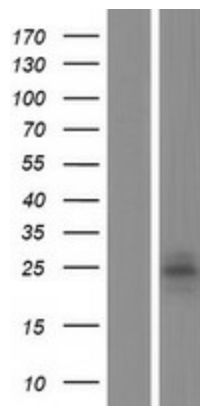
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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 ORF:	624 bp
Locus ID:	100431172
UniProt ID:	D3W0D1
Cytogenetics:	12p13.31
MW:	24.5 kDa
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 RC231050



Western blot validation of overexpression lysate (Cat# [LY434049]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231050 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).