

Product datasheet for RC221835

ERI3 (NM_024066) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERI3 (NM_024066) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ERI3
Synonyms:	PINT1; PRNPIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221835 representing NM_024066 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACAGCCTCTCCCGCTGCTGACGGGGGGCGGGGGCGGCCCTGGGAAGGAGGGCTGGTCTCCTGGC
CCCCGCCCTCCCTTACTCTCCCTGGACTTGGATGGGCCGAGTTGGGGCAACACCCCGGCATTG
GGGCTTCCAGCTCTCACAGAACCTTCAGCATCCCAGCTGCCGGTCTTGGCATCTCGAAGTAAGGAGA
GTTTTAGATGCTTCTGGATGTTCAATGCTAGCACCTTTACAGACTGGAGCAGCTCGATTTTCTTCGTATT
TACTTTCAAGAGCAAGAAAAGTCTGGGCTCCCACTTATTTTCTCCTGTGGTGTCCGGAGTTCTGCTC
CATATCCACCAGAAAGCTGGCGGCCACGGCTTTGGCGCATCCATGGCGGCAATGGTGTCCCTCCCTCCC
CAGAGGTATCACTACTTTTTAGTCTGGACTTTGAGGCCACGTGCGACAAGCCACAGATTCATCCTCAGG
AAATCATCGAGTTCCTAAAGCTAAATGGCCGGACCATGGAGATTGAGTCTACCTTTACATGTA
TGTCCAGCCTGTAGTCCATCCACAGTTACCCATTCTGTACAGAGCTCACCGGATTATCAAGCCATG
GTGGATGGTCAGCCAAGCCTGCAGCAAGTGTGGAGAGGGTCGATGAATGGATGGCGAAGGAAGGCTCT
TAGATCCAACGTCAAGTCAATTTTGTACCTGTGGAGACTGGGACTTAAAAGTCATGCTCCAGGCCA
GTGCCAGTACTTGGGCTTGCCAGTGGCGGATTACTTCAAGCAGTGGATTAATCTGAAAAAGGCTTACAGC
TTCGCCATGGGCTGCTGGCCCAAGAATGGACTTCTAGACATGAACAAGGGCCTCAGCCTGCAACACATAG
GCCGGCCACAGCGGCATTGACGACTGCAAGAACATTGCCAACATCATGAAGACTCGCCTATCGAGG
CTTCATCTTCAAGCAGACATCGAAGCCGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221835 representing NM_024066
Red=Cloning site Green=Tags(s)

MATASPAADGGRGRPWEGGLVSWPPAPPLTLPWTWMGPSWGQHPGHWGFPALTEPSASPAAGLGIFEVRR
 VLDASGCSMLAPLQTGAARFSSYLLSRARKVLGSHLFSPCGVPEFCSISTRKLAAHGFGASMAAMVSFPP
 QRYHYFLVLDFEATCDKPQIHPQEIIIEFPILKLNRTMEIESTFHMYVQPVVHPQLTPFCTELTGIQAM
 VDGQPSLQQVLERVDEWMAKEGLLDPNVKSI FVT CGDWDLVKVMLPGQCQYLGLPVADYFKQWINLKKAYS
 FAMGCWPKNGLLDMNKGLSLQHIGRPHSGIDDDCKNIANIMKTLAYRGI FFKQTSKPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8040_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



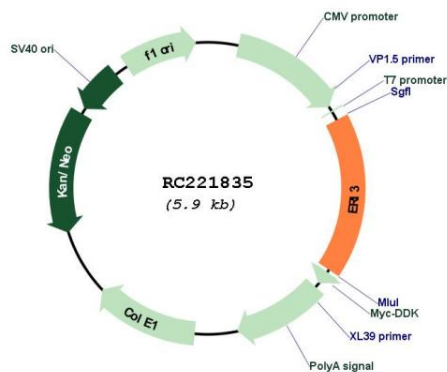
ACCN: NM_024066

ORF Size: 1011 bp

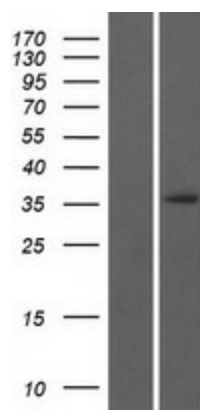
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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_024066.3
RefSeq Size:	1769 bp
RefSeq ORF:	1014 bp
Locus ID:	79033
UniProt ID:	O43414
Cytogenetics:	1p34.1
MW:	37.1 kDa

Product images:


Circular map for RC221835



Western blot validation of overexpression lysate (Cat# [LY411382]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221835 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).