

Product datasheet for **RG216824**

IKIP (IKBIP) (NM_201612) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RG216824 representing NM_201612
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTGCTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCTGAGGTGAAGAGCCGGAAGAAGTCGGGGCCCAAGGGAGCCCTGCTGCGGAGCCCGGAAGCGGA
GCGAGGGCGGGAAGACCCCGTGGCCCGGAGCAGCGGAGCGGGGGCTGGGCAGACCCCGAACGTGCCT
GAGCCTGCTGTCGCTGGGACGTGCCTGGCCTGGCTGGTTTGTATTTTCAGCAGTCAGAAAAATTTGCA
AAGGTGAAAACCAATACCAGTTACTGAACTAGAAACCAATGAATTCACAACTTCAAAGTAAATCA
GTTTAATTTTCAGAAAAGTGGCAGAAATCTGAAGCTATCATGGAACAATTGAAGTCTTTTCAAATAATTGC
TCATCTAAAGCGTCTACAGGAAGAAATTAATGAGGTAAAACTTGGTCCAATAGGATAACTGAAAAACAG
GATATACTGAACAACAGTCTGACGACGCTTCTCAAGACATTACAAAAGTAGACCAAAGTACAACCTTCCA
TGGCAAAGATGTTGGTCTCAAGATTACAAGTGTAAAAACAGATATACGACGGATTTTCAGGTTTAGTAAC
TGATGTAATATCATTGACAGATTCTGTGCAAGAACTAGAAAAATAAATAGAGAAAGTAGAAAAAATACA
GTAAAAATATAGGTGATCTTCTTTCAAGCAGTATTGATCGAACAGCAACGCTCCGAAAGACAGCATCTG
AAAATTCACAAAGAATTAACCTGTGAAGAAGACGCTAACCGAACTAAAGAGTGACTTCGACAAACATAC
AGATAGATTTCTAAGCTTAGAAGGTGACAGAGCCAAAGTTCTGAAGACAGTGACTTTTGCAATGATCTA
AAACCAAAGGTGTATAATCTAAAGAAGGACTTTTCCCGTTTGAACCATTAGTAAATGATTTAACACTAC
GCATTGGGAGATTGGTTACCGACTTACTACAAAGAGAGAAAGAAATTGCTTTCTTAAGTGAAAAATATC
TAATTTAACAATAGTCCAAGCTGAGATTAAGGATATTAAGATGAAATAGCACACATTTAGATATGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG216824 representing NM_201612

Red=Cloning site Green=Tags(s)

MSEVKSRKKSGPKGAPAAEPGKRSEGGKTPVARSSGGGWADPRTCLSLSLGTCLGLAWFVFQQSEKFA
KVENQYQLLKLETNEFQQLQSKISLISEKWQKSEAIMEQLKSFQIIAHLKRLQEEINEVKTWSNRITEKQ
DILNNSLTLSQDITKVDQSTTSMADVGLKITSVKTDIRRIISGLVTDVISLTDSVQELNKEIEKVEKNT
VKNIGDLLSSSIDRTATLRKTASENSQRINSVKKTLTELKSDFDKHTDRFLSLEGDRKVLKTVTFANDL
KPKVYNLKKDFSRLLEPLVNDLTLRIGRLVTDLLQREKEIAFLSEKISNLTIVQAEIKDIKDEIAHISDMN

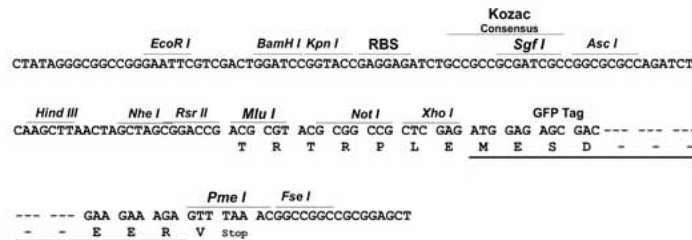
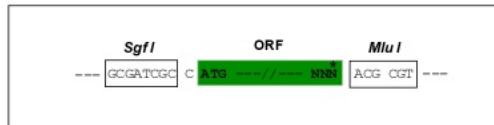
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_201612

ORF Size:

1050 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_201612.3](#)

RefSeq Size: 1364 bp

RefSeq ORF: 1053 bp

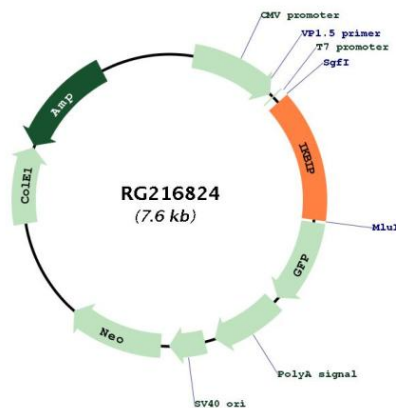
Locus ID: 121457

UniProt ID: [Q70UQ0](#)

Cytogenetics: 12q23.1

Gene Summary: Target of p53/TP53 with pro-apoptotic function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216824