

Product datasheet for **RG209130**

AKIP (AURKAIP1) (NM_017900) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AKIP (AURKAIP1) (NM_017900) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AKIP
Synonyms: AIP; AKIP; MRP-S38
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209130 representing NM_017900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCTGGGGCGCTGACTTCCAGCTGTTGAGGGCCGTTCTTGGCAGGGCCGCCCGCCCTTGGC
 CCGTCTCTGGAGTGTGGCAGCCGGTCTGCGGGCCCTTTACAGCACATCGCCGGCCGGCCAGGTAG
 GCGGCCCTCTCCCTCGCAAGGGGGCCAGCTGGAGCTGGAGGAGATGCTGGTCCCGAGGAAGATGTCC
 GTCAGCCCCCTGGAGAGCTGGCTCACGGCCCGTCTTCTGCCAGACTGGATACCGGGACCGCAGGGA
 CTGTGGCTCCACGCAATCCTACAGTGTCCGCCAGCCAGATAGGGGAAGGGCCGAGCAGGGGATGA
 AGGCGTCGCGGATGCGCCTCAAATTCAGTGCAAAAACGTGCTGAAGATCCGCCGGCGGAAGATGAACCAC
 CACAAGTACCGGAAGCTGGTGAAGAAGACGCGGTTCTGCGGAGGAAGGTCCAGGAGGGACGCTGAGAC
 GCAAGCAGATCAAGTTCGAGAAAGACCTGAGGCGCATCTGGCTGAAGGCGGGGCTAAAGGAAGCCCCGA
 AGGCTGGCAGACCCCAAGATCTACCTGCGGGGCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209130 representing NM_017900
 Red=Cloning site Green=Tags(s)

MLLGRLTSQLLRAVPWAGGRPPWPVSGVLGSRVCGPLYSTSPAGPGRAASLPRKGAQLELEEMLVPRKMS
 VSPLESWLTARCFPLRLDTGTAGTVAPPQSYQCPSQIGEGAEQGDEGVADAPQIQCKNVLKIRRRKMNH
 HKYRKLVKKTRFLRRKVQEGRLRRKQIKFEKDLRRIWLKAGLKEAPEGWQTPKIYLRGK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_017900

ORF Size: 597 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.

RefSeq: [NM_017900.3](#)

RefSeq Size: 794 bp

RefSeq ORF: 600 bp

Locus ID: 54998

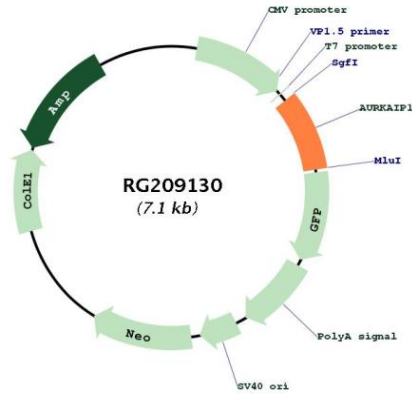
UniProt ID: [Q9NWT8](#)

Cytogenetics: 1p36.33

Protein Families: Druggable Genome

Gene Summary: May act as a negative regulator of Aurora-A kinase, by down-regulation through proteasome-dependent degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209130