

Product datasheet for **RG205545**

C6ORF199 (AK9) (NM_145025) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C6ORF199
Synonyms:	AK 9; AKD1; AKD2; C6orf199; C6orf224; dJ70A9.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205545 representing NM_145025
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCTCAAGAGAAGACAGAAGAGTATCCTTTGCAGATATATTTGATGAAGATGAACTGAAAGGA
ATTTTTGTGTCCAAACCTGTTGCTTTGTTGTATTGGGAAACCAGGTGTTGGGAAAACACATTAGC
CCGTTACATAACACAGGCATGGAAATGTATTCGTGTTGAAGCTTTGCCAATTTAGAAGAACAGATTGCT
GCTGAAACCGAATCAGGAGTTATGTTGCAATCAATGTTGATCAGCGGTCAAAGCATTCCAGATGAATTG
TCATAAAGCTAATGTTGGAGAAGCTCAACTCCCCAGAAGTCTGTCACCTTTGGTTATATTATCACTGAAAT
ACCATCACTTTACAGGATGCCATGACTACCTTACAGCAATAGAATTAATTAATACTTAAACCTGAAA
CCTGATGTTATAATCAATATAAAGTGTCTGACTATGATTTGTGCCAGAGAATTTCTGGGCAAAGACAGC
ACAATAATACGGGATACATATACAGTAGAGACCAGTGGGATCCTGAAGTCATTGAGAATCATAGGAAAAA
GAAGAAAGAAGCCCAAAAGGACGGAAGGAGAGGAAGAGGAAGAGCAAGAAGAAGAGAG
GCATTTATTGCCGAAATGCAGATGGTGGCTGAAATTCCTCATCTAGTCCAGAGGCCTGAAGATTATT
TGGAATGTTGAAACATTGTTAAGCTTTATAAGGAAACAATTCCTCAAACTTTAGAAGAAGTAATGGC
TGAACACAATCCCCAGTATCTCATTGAGCTAAATGGAATAAACCAGCAGAGGAGCTCTTTATGATTGTT
ATGGATCGACTTAAATATCTGAACCTAAAAAGAGCAGCTATTCTAACCAACTTCAGGGTGCAGAGGAAG
AAATTAATGACACAATGGAATGATGAGCTATTTCTGACTCTTGATCTTATAAACTATTGCACCAAG
ATACAGATGGCAAGAAGTAATGGGACGTACATGTCCTGTGAATTTAAAGATGGTAACATTTATTCA
GGATTACCAGATTATTCTGTGAGTTTCTAGGTAATCTACTGCTTTTCATCAGAAGAAGCATTAAAC
CATTTTGTGAACCCACGTCCCTATCTGCTTCCACCTATGCCAGGACCACCATGTAAGTATTCACT
TGGACCTCAATATTCAGGGAACAACACTTTGCAATATGCTTGACAGAAATTACAAAGGAAAGGTGACT
AAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



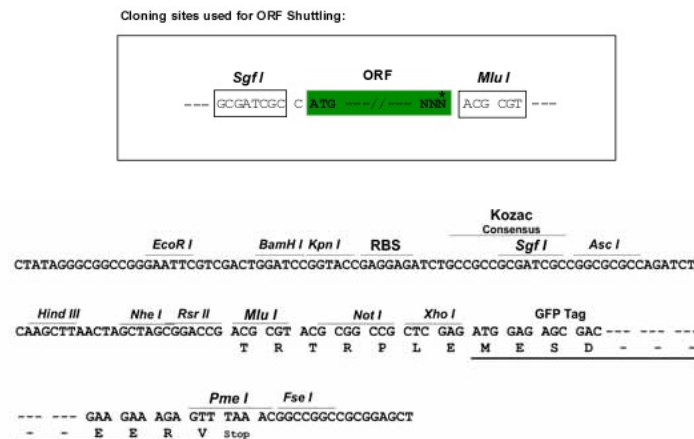
Protein Sequence: >RG205545 representing NM_145025
Red=Cloning site Green=Tags(s)

MTSQEKTEEYPFADIFDEDETERNFLLSKPVCVVFVGKPGVGKTTLARYITQAWKCIRVEALPILEEQIA
AETESGVMQLQSMISGQSIPDELVIKLMLEKLSPEVCHFGYIITEIPSLSQDAMTTLQQIELIKNLNLK
PDVIINIKCPDYDLQCRISGQRQHNNTGYIYSRDQWDPEVIENHRKKKKEAQKDGKGESEEEEEEEQEEEE
AFIAEMQMVAEILHHLVQRPEDYLENVENIVKLYKETILQTL EEVMAEHNPPQYLIELNGNKPAEELFMIV
MDRLKYLNLKRAAILTKLQGAEEEEINDTMENDELFRTLASYKLIAPRYRWQRSKWGRTCPVNLKDGNIIYS
GLPDYSVSFLGKIYCLSSSEALKPFLNRPYLLPPMPGPPCKVFILGPQYSGKTTLCNMLAENYKGVKT
N

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145025

ORF Size: 1263 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_145025.3](#)

RefSeq Size: 2584 bp

RefSeq ORF: 1266 bp

Locus ID: 221264

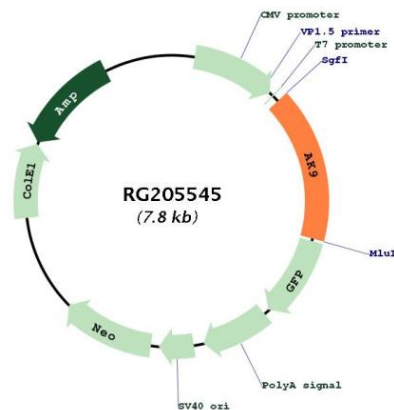
UniProt ID: [Q5TCS8](#)

Cytogenetics: 6q21

Domains: ADK

Gene Summary: The protein encoded by this gene catalyzes the interconversion of nucleosides, possessing both nucleoside monophosphate and diphosphate kinase activities. The encoded protein uses these interconversions to maintain nucleoside homeostasis. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG205545