

Product datasheet for **RG239536**

TLK2 (NM_001284333) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLK2 (NM_001284333) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLK2
Synonyms:	HsHPK; MRD57; PKU-ALPHA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239536 representing NM_001284333.
 Blue=ORF Red=Cloning site Green=Tag(s)

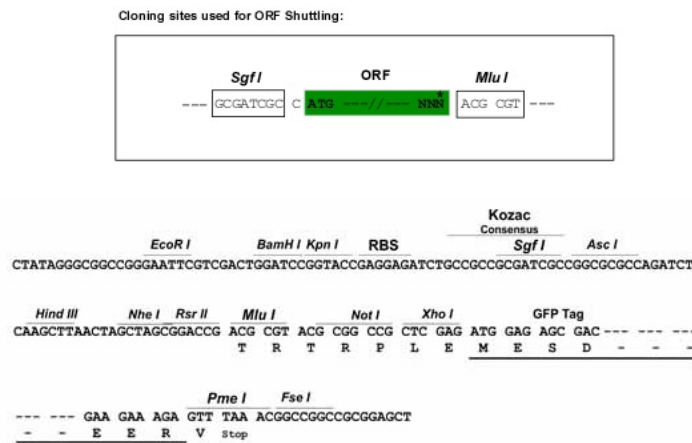
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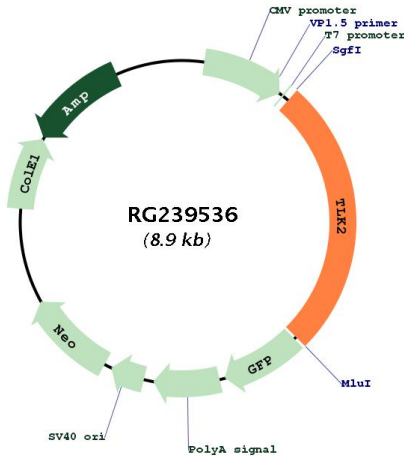
Protein Sequence: >Peptide sequence encoded by RG239536
 Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001284333

ORF Size: 2316 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).

RefSeq: [NM_001284333.2](#)

RefSeq Size: 5518 bp

RefSeq ORF: 2319 bp

Locus ID: 11011

UniProt ID: [Q86UE8](#)

Cytogenetics: 17q23.2

Protein Families: Druggable Genome, Protein Kinase

MW: 88.1 kDa

Gene Summary:

This gene encodes a nuclear serine/threonine kinase that was first identified in Arabidopsis. The encoded protein is thought to function in the regulation of chromatin assembly in the S phase of the cell cycle by regulating the levels of a histone H3/H4 chaperone. This protein is associated with double-strand break repair of DNA damage caused by radiation. Pseudogenes of this gene are present on chromosomes 10 and 17. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]