

Product datasheet for **RG227453**

DOK3 (NM_001144876) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOK3 (NM_001144876) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DOK3
Synonyms:	DOKL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227453 representing NM_001144876 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCTCTGGAGACCCTATCAAGGATGGCATCCTCTACCAGCAGCATGTCAAGTTTGGCAAGGGGA
CAGGGGAGGCCTCTCAGGATCCACAGATGCCAGTCTCCAAGAGGGGCTGGTCCCATGGAGGAAAA
CTCCATCTACTCCTCTGGCAGGAAGTGGGCGAGTTTCCCGTGGTGGTGCAGAGGACTGAGGCCGCCACC
CGCTGCCAGCTGAAGGGCCGGCCCTGCTGGTGTGGGCCAGACGCCATCCAGCTGAGGGAGGCCAAGG
GCACCCAGGCCCTTACAGCTGGCCCTACCACTTCTGCGCAAGTTCGGCTCCGACAAGATACTTCTGGG
AACCCAGGCGTCAGTCTCCTCATCTGTAAGGAGAGAGAACCGATGACGTATCAGGCATAATCCTTGAT
GAGAGTTTGTGCGTGCCTACTCAGTGCCAGGCGCTGGGGACACAGCCGTGTTCAAGGACGCTTGGTC
CTGTTCTCCGGGAGCCGACATTCAGGGGGAGAGAAGTTTCTGAAGACTTCCATGCTGCGTTCCCTCCT
CTGCTCCTGCTCCTGGCGCCATCCTAGGAGCCAGCCACGACGCAAGCGTCATGCCTCCAGGGCTGTGAC
TGCCAGCCCTCACGCAACTCCACCTCAGCTGCACACACCCTTGGCACATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227453 representing NM_001144876
 Red=Cloning site Green=Tags(s)

MDPLETPIKDGILYQQHVKFGKGTGEASSGSDAQSPKRGLVPMEEINSIYSSWQEVGEPVVVQRTEAAT
 RCQLKGPALLVLGPDAIQLREAKGTQALYSWPYHFLRKFGSDKILLGTPGVSLICKGERTDDVSGIILD
 ESLLRAYSPVPGAGGHSRVQDSLGPVLRPTFQGERSFLKTSMLRSLLCSCSWRHPRSQRPRTQASCLQGS
 CPAPHRNSTSAHTLGTS

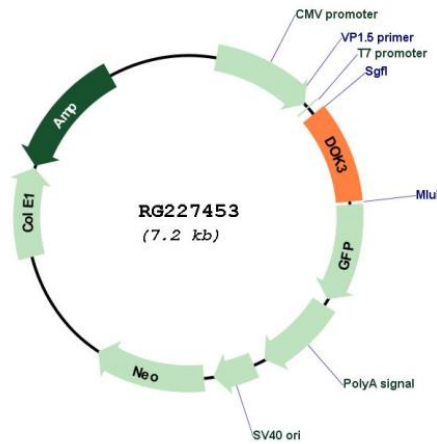
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001144876

ORF Size: 684 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:	<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_001144876.2
RefSeq Size:	2130 bp
RefSeq ORF:	687 bp
Locus ID:	79930
UniProt ID:	Q7L591
Cytogenetics:	5q35.3
Protein Families:	Druggable Genome
Gene Summary:	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP1. May modulate ABL1 function (By similarity).[UniProtKB/Swiss-Prot Function]