

Product datasheet for **RG237514**

QK1 (QKI) (NM_001301085) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	QK1 (QKI) (NM_001301085) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	QKI
Synonyms:	Hqk; hqkl; QK; QK1; QK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237514 representing NM_001301085. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
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GACAAGAAGCTCATGAGCAGCCTGCCAACTTCTGCGGGATCTTCAACCACCTCGAGCGGCTGCTGGAC
GAAGAAATTAGCAGAGTACGGAAGACATGTACAATGACACATTAATGGCAGTACAGAGAAAAGGAGT
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TATACACCCTATGAGTACCCCTACACATTGGCACCAGCTACATCAATCCTTGAGTATCCTATTGAACCT
AGTGGTGTATTAGGTGCGGTGGCTACTAAAGTTCGAAGGCACGATATGCGTGTCCATCCTTACCAAAGG
ATTGTGACCGCAGACCGAGCCGCCACCGCAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237514
 Blue=ORF Red=Cloning site Green=Tag(s)

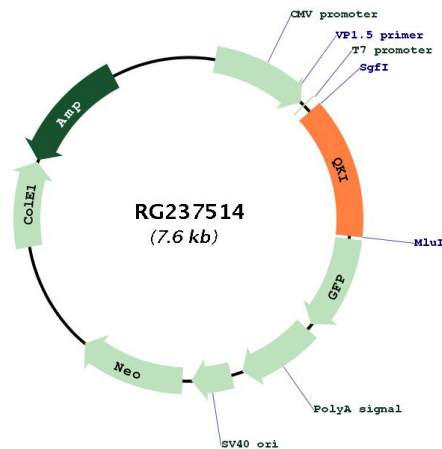
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 AELPDAVGPVIVQLQEKL YVPVKEYPDFNFVGRILGPRGLTAKQLEAETGCKIMVRGKGSMDRDKKKEEQN
 RGKPNWEHLNEDLHVLITVEDAQNRAEIKLKRAVEEVKLLVPAEGEDSLKKMQLMELAILNGTYRDA
 NIKSPTAQAAPRIITGPAPVLPAAALRTPTPAGPTIMPLIRIQITAVMPNGTPHPTAAIIVPPGPEAGLI
 YTPYEYPTLAPATSILEYPIEPSGVLGAVATKVRHDMRVHPYQRIVTADRAATGN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301085

ORF Size:	999 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_001301085.2
RefSeq Size:	9455 bp
RefSeq ORF:	1002 bp
Locus ID:	9444
UniProt ID:	Q96PU8
Cytogenetics:	6q26
MW:	36.9 kDa
Gene Summary:	The protein encoded by this gene is an RNA-binding protein that regulates pre-mRNA splicing, export of mRNAs from the nucleus, protein translation, and mRNA stability. The encoded protein is involved in myelination and oligodendrocyte differentiation and may play a role in schizophrenia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]