

Product datasheet for **SC335408**

QK1 (QKI) (NM_001301085) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	QK1 (QKI) (NM_001301085) Human Untagged Clone
Tag:	Tag Free
Symbol:	QK1
Synonyms:	Hqk; hqkl; QK; QK1; QK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335408 representing NM_001301085. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCGGGAAATGAAACGAAGGAGAAGCCGAAGCCACCCAGATTACCTGATGCAGCTGATGAAC
GACAAGAAGCTCATGAGCAGCCTGCCAACTTCTGCGGGATCTCAACCACCTCGAGCGGCTGCTGGAC
GAAGAAATTAGCAGAGTACGAAAGACATGTACAATGACACATTAATGGCAGTACAGAGAAAAGGAGT
GCAGAATTGCCTGATGCTGTGGGACCTATTGTTTCAGTTACAAGAGAACTTTATGTGCTGTAAAAGAA
TACCCAGATTTTAAATTTGTTGGGAGAATCCTTGGACCTAGAGGACTTACAGCCAACAACCTGAAGCA
GAAACCGGATGTAAAATCATGGTCCGAGGCAAAGGCTCAATGAGGGATAAAAAAGGAGGAGCAAAT
AGAGGCAAGCCCAATTGGGAGCATCTAAATGAAGATTTACATGTACTAATCACTGTGGAAGATGCTCAG
AACAGAGCAGAAATCAAATTGAAGAGAGCAGTTGAAGAAGTGAAGAAATTATTGGTACCTGCAGCAGAA
GGAGAAGCAGCCTGAAGAAGATGCAGCTGATGGAGCTTGCGATTCTGAATGGCACCTACAGAGATGCC
AACATTAATCACCAACAGCCAGGCTGCTCCAAGGATCATTACTGGGCTGCGCCGGTTCTCCACCA
GCTGCCCTGCGTACTCCTACGCCAGCTGGCCCTACCATAATGCCTTTGATCAGACAAATACAGACCGCT
GTCATGCCAAACGGAACCTCCTACCCAAGTCTGCAATAGTTCTCCAGGGCCGAAGCTGGTTTAAATC
TATACACCCTATGAGTACCCCTACACATTGGCACCAGCTACATCAATCCTTGAGTATCCTATTGAACCT
AGTGGTGTTATTAGGTGCGGTGGCTACTAAAGTTCGAAGGCACGATATGCGTGTCCATCCTTACCAAAGG
ATTGTGACCGCAGACCGAGCCGCCACCGCAACTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001301085
Insert Size:	1002 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001301085.1
RefSeq Size:	9455 bp
RefSeq ORF:	1002 bp
Locus ID:	9444
UniProt ID:	Q96PU8
Cytogenetics:	6q26
MW:	36.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) lacks an in-frame segment in the 3' coding region, compared to variant 1. The resulting isoform (5) is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>