

## Product datasheet for **SC215940**

### **Kir6.2 (KCNJ11) (NM\_000525) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	Kir6.2 (KCNJ11) (NM_000525) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KCNJ11
Synonyms:	BIR; HHF2; IKATP; KIR6.2; MODY13; PHHI; PNDM2; TNDM3
ACCN:	NM_000525
Insert Size:	1701 bp



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**Insert Sequence:** >SC215940 3'UTR clone of NM\_000525  
 The sequence shown below is from the reference sequence of NM\_000525. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCAGCATCTCTCCAGATTCCCTGTCCTAGCCATGGTCTCTCGGGCCCCCACACGCGTGTGTACACA
CGGACCATGTGGTATGTAGCCCGCCAGGGCCTGGTGTGAGGCTGGGCCAGCCTCAGCTCAGCCTCCCC
CTGCTGCTCATCCAGGTGTTACAAGGCACTTGTCACTATGCTATTTCTGGCCTCAGCAGGAACCTGTA
CTGGGTTATTTTGTCCCTGCTCCTCCCAACCAATTCAGGACTGGCTCACCCCTCTCCCCGCCCAAG
GCTGCAGAGGCTGTGGGAGTACTGGGCCCTAGAGCTGTGCGTCCAGCCAGTCTGGGTCCCCACGATT
GACCAGCCACACTCTGGGCCGTGGCTGGGAAGAACAATCCCCGAGGGCTGCTGCTTTGCGTCTGTGG
CTCCAAGAAGTGCCTGTGGTCAAGCCCCAGCTCTACTTGGTCCCTGAAAAAGCACCTGGCTAAGGGCTG
GGCCTGGCCAGCAGGGAGGGCAGTTGATGAGAGAGGGTGTCCCCTGGAGGGTGGTGTGTGGAGCC
TACACCGCAGGGACAGCCTGGGGCTGACAGGGCTCCCCTCCGAGGGCCAGTTTCAAGTCTGGAAGGGG
AGGAAGCAGGGGAAGGTGACCTGAGGAGCTCGGCTTTGTAGAGCCCCGCTCAGGCACAGGGAGGAGGA
GATGCCAGGGCTCCTGCCTTTTGGCCACATCGGCCCTCGTGCAGTGAAGGGCTCTGTGGGCTGGGGCTGCTG
CCCCTGCCTACCTCCTGCCTGTCCCCAGAGGCTGAGGAGAGGGGGTACTGTGCCACCACACATGATTA
GGCCTCAGACCAACTCTGGTCTGGCTCCACAACAGTGGCTGCCACTCACTTTGTCCAGAAGGTGGCT
TGGGGTGGATATCTTTGGTGGTGGAAAAGTGTGGAAAGTTCAAGTGGTGGGAGGGACTGAGGT
CCCTGAGGTGAAGAGGCCCTTGGTCTGACGGGTTTACCCTGCCTGGACCCTTGGAGCAGTGTGTG
TGAACCTGCCTAGAAGTCTGCCTTCTCCGTTGTCAATAAAGCTCCCCCTCATGACCTAACTTGGGC
TTTTCTTGTGGGAGGCAGCAAGCATGCTGGTGGAAAGGGAGGCAGGGACTGGCAGCTGCCACCCCT
TCAAGAGCGCCATAGACCCTAGCGGGAGGGCAGGGGAGGGACGGAAGGCTGGCACCTTCCACCAG
TTCAGGGGGACTTTCCCTCTCCTGTCTCAGGTGGCCAGCCCTGTCAGCCTGTCTGGCCAACTCAGCC
TTTGGGCACTCACCAGGCTTTCAGCCCTGGGCTGTCTCTACTCCCAGGGACCTGCTGGAAGGCTGG
AGTGCCAGGGAGAGGTATAGAGGTGTCATAGGCATTAGTGTAGTAATTGGAGCACTAACTCTCAGGCC
AACTGCCTGGGTTCGAATCCTGGCTCTAGCTGTATGACTTTTGTCAAGTAACTTAGCCTCTCTGTGTCT
CAGTTGCCTCTTCTATAACATGGATGCTAATAGTACCTACCTCATAGAATTGTTTTGGAAGTAAATGAA
AAATATGTAATAAGTGAAGTGCCTGGTCTACAGTAAGTGTCAATAAATGTTAACTATTGTGATTGCT
GCTGAATCAGCTACATGCTGAGGAAACGCCAAACAAGTGTAAA
AGCGGACCGACTTACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCAGGATTTTCGATTCCACCGCCG
  
```

**Restriction Sites:** SgfI-RsrII

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_000525.4](#)

**Summary:**

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and is found associated with the sulfonylurea receptor SUR. Mutations in this gene are a cause of familial persistent hyperinsulinemic hypoglycemia of infancy (PHHI), an autosomal recessive disorder characterized by unregulated insulin secretion. Defects in this gene may also contribute to autosomal dominant non-insulin-dependent diabetes mellitus type II (NIDDM), transient neonatal diabetes mellitus type 3 (TNDM3), and permanent neonatal diabetes mellitus (PNDM). Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Oct 2009]

**Locus ID:**

3767

**MW:**

60.1