

## Product datasheet for **SC214478**

### **DOK4 (NM\_018110) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	DOK4 (NM_018110) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DOK4
Synonyms:	IRS-5; IRS5
ACCN:	NM_018110
Insert Size:	1485 bp



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**Insert Sequence:** >SC214478 3'UTR clone of NM\_018110  
 The sequence shown below is from the reference sequence of NM\_018110. 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
AGCAGTGAGGCCAAGACCCCATCCCAGTACCACAGTGCTGGCGAGCACCGATGACTGCTGGGGGCTGC
CTGCTGCGGGGCTGGCTGCAAGTGTACCGTGGACAGCCTCAGGGGGCTGTGCGCCAAGAGCCTGGAGAAA
GGGAGCAAGCTGCCCCCTCCTTGCCCCAAGGATGAGGCTGACTGAGGCAAAGGGCTGGCCACACCAC
CTGAGCATGTGTGAGGGTTGGAGCTACCGTGGGACTATATACTGTTAATGATTTTAAATATATATGGCT
TATGACATACTCTGTATCAATGAGATCCCCTCACCCCTACCCCATCCTTCCCCACCAATACACACAAAT
TTTTTAATCCCATGACCAGGCCACGGTCAAGGCTGTTTTTGTAGTATGAGTGCAGTCGTGCCATCCTCC
ATGGCACAGCCCTCCTGTGCCAGGACCTGCTTGAAGTACCAGGGCCACAGGAGGGGATAATCAGAGC
TTGAGGCTGGCACTCTGACTGCTGGCTTTTCCCAGACAGCCAAAGGGCCGGAACAGCAGGTGGCTTCTC
AGTTCCTCTGGGCTGGAGTGACACAGGAAGGATCTGCACTTCTCTGTGCTGCTTGCCAGCCTTGCAAG
TTGGAGTTTTAAGCAGAGGTGACATCTGGTTGACGCCTCAGGTGAAAATCTGGTTTTAAATGTAACCTT
CTGCACAGGCTCCTTCTGCTTTGTAGGCTGGGAAGATGCCCTGGGGTAGGGGTGCTGATTACCTCAG
CCATGTGGAGGAAGGCTGGAGCTTGTCTGCCCCAGGAATAGGCCAGGAGGGAAGGCCGAGCAGGAC
TGCCGTGGGGAGCACCCCTGCTGCCCCCTCTCACTGACCAGGGTGGACAATGCCCAAGCAGAGGGAG
CCCCCTGGCCCTGTTGGCCACCCTCTGGCCAGCCAAAAGCACTCTGAAACCAAGACCTTCCCATTTC
TCCTCCCACATGGTGTGAGGCTCCCTGCTGCAATGCAATTAAGCAATTGATTTTCTAGTGTGGTA
TTTGTGACTACCATGCAGAAGGGCTATCTTTCTATTACAGTCAAACCTTTTGGTTGTGGGGTTTTTT
GTTGTTTTTTGGTTTTTTGTTTTTAATACTTTAGGGTCTGATTTGTGGGAACAGACCTTCTTGTAAAT
AACCACTATTTGAGTTGTGGCAGGAGGATGATAAAGCACGCGGCCCTCCCAAAGGAGCCCTTGAGCTA
GGGAGGTGGTGCAGTCAGCCTCGCTCTCAACGTGACCCGGGAATGACCACCCAGAGGGATGAGCTAGC
CTGTAGAGGGAACTGGGGTCCAAAGGTCTTTGGGGAGGGAGGCAGAGCTGGCTGGCTCAGCTAAGTGG
CACGATGACGCATGAAGGAGATTATGTTGTGCTCTTTATTGCCAAAAATAAACACTTTTTAAAAAGACAA
CTTCTGTTAATCAATAAATATCCTTTCTTTCTGTA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**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\\_018110.5](#)

**Summary:** DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK4 functions in RET-mediated neurite outgrowth and plays a positive role in activation of the MAP kinase pathway (By similarity). Putative link with downstream effectors of RET in neuronal differentiation. May be involved in the regulation of the immune response induced by T-cells.[UniProtKB/Swiss-Prot Function]

Locus ID: 55715

MW: 54.2