

Product datasheet for **SC334385**

DOK5 (NM_177959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOK5 (NM_177959) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOK5
Synonyms:	C20orf180; IRS-6; IRS6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_177959, the custom clone sequence may differ by one or more nucleotides

ATGGAGTGTGTAGGAACACGGATCAATGACATCAGCCTTGGAGAGCCTGACTTACTGGCCACTGGGGTTG
 AGAGAGAACAGAGTGAGAGATTCAATGTGTATTTGATGCCATCTCCTAACTTAGATGTACATGGCGAATG
 TGCCTTGAGATTACATATGAGTATATCTGTCTTTGGGACGTCCAGAATCCCAGAGTCAAATCATCTCT
 TGGCCGCTAAGCGCCCTGCGGCGGTATGGACGTGATACTACGTGGTTCACTTTTGAGGCAGGGAGGATGT
 GTGAGACTGGTGAAGGGCTGTTTATCTTTCAGACCCGAGACGGGGAGGCCATCTATCAGAAAGTCCACTC
 TGCTGCCTTGCCATAGCCGAGCAGCAGCGCTTGCTACAGAGTGTAAAAACTCGATGCTCCAGATG
 AAGATGAGTGAGCGGGCCGCTCGCTGAGCACCATGGTGCCCTGCCTCGCAGCGCTACTGGCAGCACA
 TCACACGGCAGCAGCAGCGGGACAGCTCTACCGCTTGAAGATGTTTCCAGCCCTCTGAAGCTTCATCG
 AACAGAGACTTTTCCAGCCTACAGATCTGAGCACA**TGA**

Restriction Sites:	Sgfl-MluI
ACCN:	NM_177959
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).


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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:	<u>NM_177959.2, NP_808874.1</u>
RefSeq Size:	1734 bp
RefSeq ORF:	597 bp
Locus ID:	55816
UniProt ID:	<u>Q9P104</u>
Cytogenetics:	20q13.2
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a member of the DOK family of membrane proteins, which are adapter proteins involved in signal transduction. The encoded protein interacts with phosphorylated receptor tyrosine kinases to mediate neurite outgrowth and activation of the MAP kinase pathway. Unlike other DOK family proteins, this protein does not interact with RASGAP. This protein is up-regulated in patients with systemic sclerosis and is associated with fibrosis induced by insulin-like growth factor binding protein 5. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in its 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.</p>