

Product datasheet for **SC324947**

DOK3 (NM_001144875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOK3 (NM_001144875) Human Untagged Clone
Tag:	Tag Free
Symbol:	DOK3
Synonyms:	DOKL
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001144875, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGACCTCTGGAGACCCCTATCAAGGATGGCATCCTCTACCAGCAGCATGTCAAGTTT GGCAAGAAGTGCTGGCGAAGGTGTGGGCTCTGCTGTATGCAGGAGGCCATCAGGCGTG GCACGGCTGGAGAGCTGGGAGGTCCGGGATGGTGGCCTGGGAGCAGCGGGTGACAGGTCG GCAGGGCTGGCCGGCGAGGGGAGCGACGGGTATCCGCCTGGCTGACTGTGTGTCCGTG CTGCCGGCTGACGGCGAGAGCTGCCCCGGGACACCGGTGCCTTCTGCTCACCACCACC GAGCGAAGCCATCTACTGGCTGCTCAGCACCGCCAGGCCTGGATGGGCCCCATCTGCCAG CTGGCCTTCCCGGGGACAGGGGAGGCCTCCTCAGGATCCACAGATGCCAGTCTCCCAAG AGGGGCTTGGTCCCCATGGAGGAAACTCCATCTACTCCTCTGGCAGGAAGTGGGCGAG TTTCCCGTGGTGGTGCAGAGGACTGAGGCCGCCACCCGCTGCCAGCTGAAGGGGCCCGCC CTGCTGGTGGTGGGCCCAGACGCCATCCAGCTGAGGGAGGCCAAGGGACCCAGGCCCTC TACAGCTGGCCCTACCACTTCTCGCAAGTTCGGCTCCGACAAGATACTTCTGGGAACC CCAGGCGTCAGTCTCCTCATCTGTAAAGGAGAGAGAACCAGATGACGTATCAGGCATAATC CTTGATGAGAGTTTGGTCTGCTGCTACTCAGTGCCAGGCGCTGGGGGACACAGCCGTGTT CAGGACAGCCTTGGTCTGTTCTCCGGGAGCCGACATTCCAGGGGAGAGAAGTTTCCTG AAGACTTCCATGCTGCGTTCCTCCTCTGCTCCTGCTCCTGGCGCCATCCTAGGAGCCAG CCACGCACGCAAGCGTCATGCCTCCAGGGCTCTGACTGCCAGCCCTCACCGCAACTCC ACCTCAGCTGCACACACCCTTGGCACATCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001144875
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


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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:	<u>NM_001144875.1, NP_001138347.1</u>
RefSeq Size:	2354 bp
RefSeq ORF:	993 bp
Locus ID:	79930
UniProt ID:	<u>Q7L591</u>
Cytogenetics:	5q35.3
Protein Families:	Druggable Genome
Gene Summary:	<p>DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK3 is a negative regulator of JNK signaling in B-cells through interaction with INPP5D/SHIP1. May modulate ABL1 function (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains alternate 5' exon structure and an alternate 3' terminal exon, and it thus initiates translation at a downstream in-frame start codon, and differs in both UTRs and the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus and has a distinct C-terminus, 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>