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Product datasheet for MC227595

Dok1 (NM_001291799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dok1 (NM_001291799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dok1
Synonyms:	AW557123; p62DOK
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227595 representing NM_001291799 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATACGCCTGGCTGAATGTGTGAGCGTGGTGCCGGTGACTGTGGAGAGTCCCCCTGAGCCCGGCGCTG
TTGCCTTCCGCCTGGACACCGCACAGCGCTCGCACCTGCTGGCGGCGGACGCCGTATCCAGCACCGCCTG
GGTGCAGACTTTATGCAGAACCGCCTTTCCGAAAGGCGGCTGGGCTTTGGCGCAGACGGAGAACCAACCT
AAGTTTTCTGCCTTGGAGATGCTGGAGAATTCGCTGTACAGCCCCACCTGGGAAGGATCCCAGTTCTGGG
TAACCTCGCAGAAGACCGAGGCTTCTGAACGCTGCGGCTTGCAAGGCTCCTACATACTGAGGGTGGAAGC
TGAGAAGCTGACTCTCCTGACTTTGGGTGCGCAGAGTCAAATCCTGGAGCCGCTCCTTTTCTGGCCCTAC
ACTCTGTTGCGTCGCTATGGCCGGGACAAGGTAATGTTCTCCTTTGAAGCTGGTCGCCGCTGCCCCTCAG
GCCCTGGGACCTTCACCTTCCAGACTTCTCAGGGAAATGACATCTTTCAGGCAGTTGAGGCTGCCATCCA
GCAGCAGAAAGCCCAAGGAAAGGTGGGCCAGGCACAGGATATCCTCAGAACTGACTCCCATGATGGGGAG
ACAGAGGGGAAGACAGTTCCCCCTCCTGTTCCCCAGGACCCCCTGGGCAGCCCTCCAGCCCTATATGCGG
AGCCTTTAGACTCCTTGCGAATTCCTCCAGGCCCTTCTCAGGACTCTGTATATTCAGACCCCCTGGGCAG
CACCCCTGCTGGGGCAGGGGAAGGGGTGCATTCCAAGAAACCTCTCTATTGGGATTTGTATGGGCATGTG
CAGCAGCAGTTACTGAAAACCAAGCTGACAGACTCCAAAGAGGACCCCATCTATGATGAACCTGAAGGCC
TGGCCCCCGCCCCTCCCCGGGGCCTTTATGATCTGCCTCAGGAGCCTCGGGATGCATGGTGGTGCCAGGC
TCGGCTGAAGGAAGAGGGCTATGAGCTCCCTTACAACCCTGCCACCGATGACTATGCTGTGCCACCTCCC
CGGAGCCCAAAGCCTGCTCCTGCCCCCAAGCCACAGGGCTTGATCCTTCCCGAATCGGGTACCACTCGTG
GCAGTGGCAGCAAAGGCTTCAGCTCAGATACAGCTCTGTACAGCCAGGTCCAGAAAAGTGGGACCTCAGG
GGCTTGGGACTGTGGACTCTCTAAAGTAGGGAATGACAGGGCGGGGGTCAAGTCTGAGGGTTCCACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001291799
Insert Size:	1260 bp
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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	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_001291799.1, NP_001278728.1
RefSeq Size:	1809 bp
RefSeq ORF:	1260 bp
Locus ID:	13448
UniProt ID:	P97465
Cytogenetics:	6 35.94 cM
Gene Summary:	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice junction at the 5' end of an exon and uses a downstream start codon compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.