

Product datasheet for SC207296

DOCK2 (NM_004946) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DOCK2 (NM_004946) Human 3' UTR Clone
Symbol:	DOCK2
Synonyms:	IMD40
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004946
Insert Size:	554 bp
Insert Sequence:	>SC207296 3'UTR clone of NM_004946 The sequence shown below is from the reference sequence of NM_004946. 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
ATCCCAGACTCGCTGTCCACGGACCTGTGAGCTGCTGCTGACTAGGGCTGCATGGGAGAGCCAGGGAGG
GGAGTTTCTGGAAGAGGAAAGCCATGCGTGGAACATCGAAGCCTCAGAGAGTGGGAGACTGTCCCCATC
AGTTGTCCTTACTTAGAGGAGACAGAGAGGCCAATCAGGTCCCAGAGCTTGAATGCTAACAGCCAGC
ATCCCCTGGGGCTGTGATCATGGTGGATGAGGAAGCCTCAACGTAGATTCTGAAGTCAAGTACCAGC
AAGAATGCCTTCTCCAGTGTGCTCTCCCAACATCCTAGGCACAGCTTTCATAACCCAGTTTCTTAGG
TGTAAGAAACTGTTTTATCTCATTATTAAGTCTCAGAACTAACAGAAAAGGAAGCCTTTTAAATAT
TCTTTTTAATTTATTTTAGATTAACAGTTTTGTACTTTACATTTTTTATAACAACCAACAGTTTCTT
TTCTAGCCAATCATCTCTGAAGAGTTGCTGTTTCTTACTGACAATAAAAAATGTTCTCTTGGTTCGAAT
AA
ACGCGTAAGCGGCCCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-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).



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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_004946.3
Summary:	The protein encoded by this gene belongs to the CDM protein family. It is specifically expressed in hematopoietic cells and is predominantly expressed in peripheral blood leukocytes. The protein is involved in remodeling of the actin cytoskeleton required for lymphocyte migration in response to chemokine signaling. It activates members of the Rho family of GTPases, for example RAC1 and RAC2, by acting as a guanine nucleotide exchange factor (GEF) to exchange bound GDP for free GTP. Mutations in this gene result in immunodeficiency 40 (IMD40), a combined form of immunodeficiency that affects T cell number and function, also with variable defects in B cell and NK cell function. [provided by RefSeq, May 2018]
Locus ID:	1794
MW:	20.7