OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC331021

DOCK7 (NM_001272002) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: DOCK7 (NM_001272002) Human Untagged Clone

Tag: Tag Free

Symbol: DOCK7

Synonyms: DEE23; EIEE23; ZIR2

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331021 representing NM_001272002.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCCGAGCGCCGCGCCTTCGCCCAGAAGATCAGCAGAACGGTGGCAGCCGAAGTTAGGAAGCAGATC
TCCGGACAATATAGTGGTTCTCCCCAACTGCTCAAAAACCTTAATATTGTTGGCAATATATCCCATCAC
ACCACAGTGCCCCTTACCGAAGCAGTAGATCCAGTGGATTTGGAAGATTACCTCATTACTCATCCTTTG
GCTGTGGATTCTGGGCCTTTACGGGATTTGATTGAATTTCCTCCAGATGATATTGAAGTTGTTTATAGT
CCTCGGGACTGCAGAACTCTTGTTTCAGCTGTACCTGAAGAAAGTGAAATGGATCCACATGTTAGAGAC
TGTATAAGAAGTTATACAGAAGACTGGGCAATTGTCATCAGAAAATATCATAAATTGGGAACAGGATTT
AATCCCAATACATTAGATAAACAGAAAGAAAGGCAAAAAGGTTTGCCAAAACAAGTTTTTGAATCTGAT
GAAGCTCCAGATGGCAACAGCTACCAGGATGATCAAGATGACCTTAAAAGACGTTCAATGTCAATAGAT
GATACCCCAAGGGGTAGCTGGGCCTGTAGTATCTTTGACTTGAAAAATTCACTTCCTGATGCTTTGCTT
CCCAATTTACTTGATCGAACTCCAAATGAAGAAATAGACCGTCAGAATGATGACCAAAGGAAATCAAAC
CGTCACAAAGAACTTTTTGCTTTGCATCCATCACCAGATGAGGAAGAACCAATAGAACGGCTTAGTGTT
CCTGATATACCCAAAGAACATTTTGGTCAAAGACTTCTTGTAAAATGCTTATCACTCAAGTTTGAAATT
GAAATTGAACCCATTTTTGCAAGTTTGGCTTTATATGATGTCAAGGAAAAGAAAAAGATTTCAGAAAAC
TTTTATTTTGACCTTAATTCTGAGCAGATGAAAGGGTTGTTACGTCCACATGTACCACCTGCTGCCATT
ACTACCCTGGCAAGATCAGCAATTTTTTCTATCACTTATCCTTCCCAAGATGTTTTTCTTGTAATAAAG
CTAGAAAAAGTCCTACAGCAAGGAGACATTGGAGAGTGTGCAGAACCATATATGATTTTCAAAGAAGCA
GATGCCACCAAGAATAAAGAAAAACTGGAGAAACTGAAGAGTCAAGCAGATCAGTTTTGCCAAAGACTT
GGGAAATATCGCATGCCTTTTGCTTGGACTGCAATCCATTTAATGAATATTGTTAGCAGTGCTGGGAGT
TTGGAAAGAGATTCTACAGAAGTAGAAATCAGTACTGGAGAACGAAAAGGGTCTTGGTCAGAGAGGAGG
AATTCTAGTATTGTTGGCAGACGATCACTTGAAAGGACAACAAGTGGAGATGATGCTTGTAACTTGACG
AGCTTTCGACCAGCTACTCTCACAGTGACAAATTTTTTTAAGCAGGAAGGAGACCGCTTAAGTGATGAA
GATCTCTACAAATTCCTTGCTGATATGAGAAGGCCATCTTCTGTCTTACGGCGACTAAGACCTATTACA
GCTCAGCTCAAGATAGACATTTCTCCCGCACCTGAAAATCCCCATTATTGCCTAACTCCGGAGCTGCTT
CAAGTGAAGCTTTACCCTGACAGTAGAGTTAGACCTACCAGAGAAATCTTAGAGTTTCCCGCAAGGGAT
GTTTATGTTCCAAACACTACTTACAGAAATCTTCTCTACATATACCCTCAGAGTCTTAATTTTGCCAAT
CGTCAAGGTTCTGCTAGAAATATAACAGTGAAAGTCCAGTTTATGTATGGAGAGGATCCAAGCAATGCC
ATGCCGAGCCCCAGCTGCACCCATCCTATACCGACAGTTAGACCTCTCCCTCTTTGGTGCTACCATAGC
ATCTTCTCACTTCTTTCATGGGACTTTATCACTTGA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001272002
Insert Size:	1899 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).
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_001272002.1
RefSeq Size:	2691 bp
RefSeq ORF:	1899 bp
Locus ID:	85440
UniProt ID:	Q96N67
Cytogenetics:	1p31.3
MW:	72.2 kDa
Gene Summary:	The protein encoded by this gene is a guanine nucleotide exchange factor (GEF) that plays a role in axon formation and neuronal polarization. The encoded protein displays GEF activity toward RAC1 and RAC3 Rho small GTPases but not toward CDC42. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (5) differs in the 3' UTR and coding sequence compared to variant 6. The resulting isoform (5) has a shorter and distinct C-terminus compared to isoform 6.