

Product datasheet for RC230900

DOCK8 (NM_001190458) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DOCK8 (NM_001190458) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DOCK8
Synonyms:	HEL-205; MRD2; ZIR8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230900 representing NM_001190458 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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TTACAATAAAGATCCAGTTTATGTGTGGAGAAGATGCTAGCAATGCGATGCCGGTCATCTTTGGAAAGTC
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Protein Sequence:

>RC230900 representing NM_001190458

Red=Cloning site Green=Tags(s)

MTHLNSLDVQLAQELGDFDDELDVVFTPKECRTLQPSLPEEGVELDPHVRDCVQTYIREWLI VNRKNQG
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 RLENLLQQVSAEDFEKQNEEARTRNRQAEFLALYPSVDEEDAVEIRPVPECPKEHLGNRILVKLLTLKFE
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 TEAHLIILDMQENIIQASSALDCKDSLGGVLRVNLVNSLNCDSQSTTYLTHCFATLRALIAKFGDLLFEE
 VEQCQFDLCHQVLHHCSSMDVTRSQACATLYLLMRF SFGATSNFARVKMQVTMSLASLVGRAPDFNEEHL
 RRLRILTILAYSEEDTAMQMPPTQVEELL CNLNSILYDVKMREFQEDPEMLMDLMIYIAKSYQASPD
 RLTLWLNMAEKHTKKKCYTEAMCLVHAAALVAEYLSMLEDHSHYLPVGSVSFQNISSNVLEESVSED
 SPDEGVCAGQYFTESGLVGLLEQAAELFSTGGLYETVNEVYKLVIPILEAHREFRKLTLTHSKLQRAF
 DIVNKHKRMFGTYFRVGF GSKFGDLDEQEFVYKEPAITKLEI SHRLEAFYGCFCGAEFVEVIKIDSTP
 VDKTKLDPNKAYIQITFVEPYFDEYEMKDRVTYFEKNFNLRFRMYTTPFTLEGRPRGELHEQYRRNTVLT
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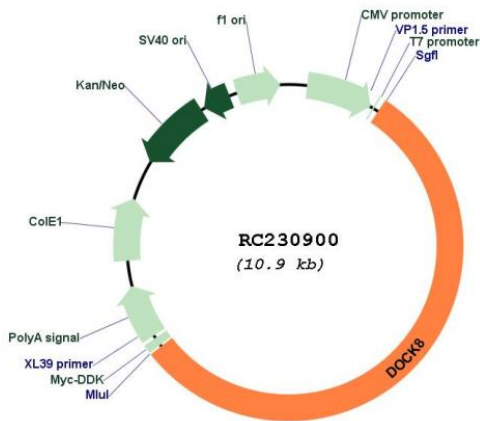
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001190458

ORF Size: 5997 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001190458.1, NP_001177387.1</u>
RefSeq ORF:	6000 bp
Locus ID:	81704
UniProt ID:	<u>Q8NF50</u>
Cytogenetics:	9p24.3
MW:	227.9 kDa
Gene Summary:	This gene encodes a member of the DOCK180 family of guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with Rho GTPases and are components of intracellular signaling networks. Mutations in this gene result in the autosomal recessive form of the hyper-IgE syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Jun 2010]