

## Product datasheet for **SC311963**

### Dedicator of cytokinesis protein 6 (DOCK6) (AK022412) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dedicator of cytokinesis protein 6 (DOCK6) (AK022412) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dedicator of cytokinesis protein 6
Synonyms:	AOS2; ZIR1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK022412, the custom clone sequence may differ by one or more nucleotides
Restriction Sites:	Please inquire
ACCN:	AK022412
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.
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"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>AK022412.1</u>
RefSeq Size:	3023 bp


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**RefSeq ORF:** 3023 bp

**Locus ID:** 57572

**Cytogenetics:** 19p13.2

**Gene Summary:** This gene encodes a member of the dedicator of cytokinesis (DOCK) family of atypical guanine nucleotide exchange factors. Guanine nucleotide exchange factors interact with small GTPases and are components of intracellular signaling networks. The encoded protein is a group C DOCK protein and plays a role in actin cytoskeletal reorganization by activating the Rho GTPases Cdc42 and Rac1. Mutations in this gene are associated with Adams-Oliver syndrome 2. [provided by RefSeq, Dec 2011]