

Product datasheet for **RG224052**

DOCK5 (NM_024940) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DOCK5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



Protein Sequence:

>RG224052 representing NM_024940

Red=Cloning site Green=Tags(s)

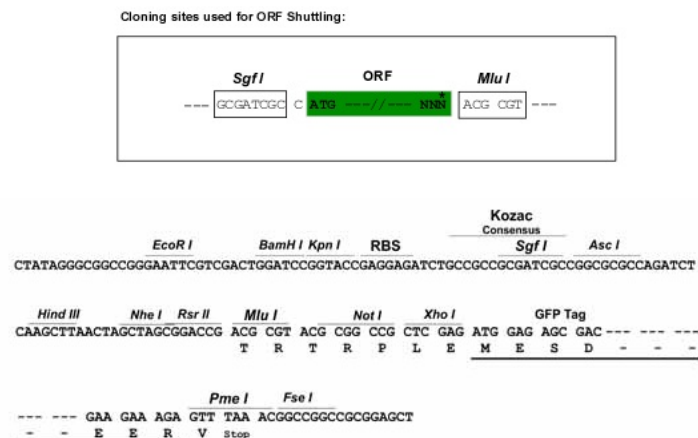
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LTEQLKPLHERLSSCFRELKEKVEKHYGVITLPPNLTERKQSRGTGSIPLPYIMSTLRLSITSVTSSV
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PPKSKPYEGSQRNSTELAPPLPVRREKAPPPPPKARKSGIPTSEPGSQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_024940

ORF Size:	5610 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024940.8
RefSeq Size:	7556 bp
RefSeq ORF:	5613 bp
Locus ID:	80005
UniProt ID:	Q9H7D0
Cytogenetics:	8p21.2
Gene Summary:	This gene encodes a member of the dedicator of cytokinesis protein family. Members of this family act as guanine nucleotide exchange factors for small Rho family G proteins. The protein encoded by this gene is thought to associate with adaptors CRK and CRKL, and function in regulation of intestinal epithelial cell spreading and migration on collagen IV. Similar proteins in mouse and zebrafish also function in myoblast fusion. [provided by RefSeq, Oct 2016]