

Product datasheet for **RG211701**

DIXDC1 (NM_001037954) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DIXDC1
Synonyms:	CCD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211701 representing NM_001037954
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGCTAGCCTGCCTGACCCGAGGGAATTACTGGACGTCCTGCAGGAGGGCTTCAATGAGCAACAGCTGC
 AGGCCTATGTGGCCTGGGTGAATGCACAGCTGAAGAAGAGGCCAGCAGTGAAGCCTGTGCAGGACCTGCC
 ACAAGATCTCCGGGATGGGTGATCCTGGCATATCTCATCGAGATTGTTGCAGGAGAAAAGCTGAGTGGG
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 CTAAGAAAGATTGATGCACAGACTTCGGCTAAAGATATTGTGGATGGAACCTGAAGTCTATCATGAG
 GCTGGTCTTGGCTTGGCAGCTCAATTCAAACCTGGCTCCAGCAGGACGGTGAACCAAGGAGCGGACTCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

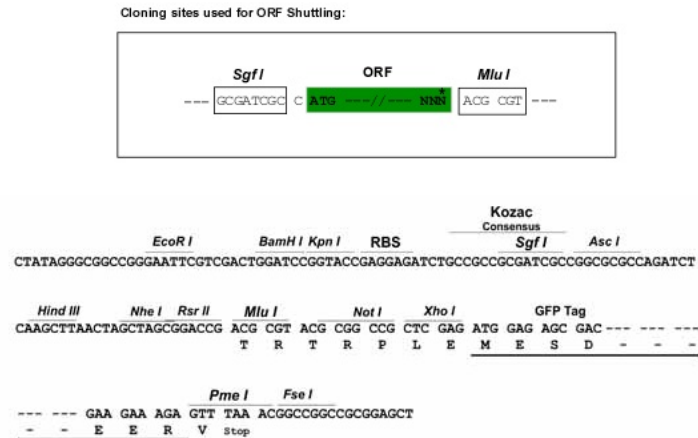
Protein Sequence: >RG211701 representing NM_001037954
 Red=Cloning site Green=Tags(s)

MLACLTRGNLLDVLQEGFNEQQLQAYVAWVNAQLKKRPVAVKPVQDLRQDLRDGVILAYLIEIVAGEKLSG
 VQLSPGNQEMKNVVKVLQFVASKKIRMHQTSAKDIVDGNLKSIMRLVLALAAHFKPGSSRTVNQGRDS
 RAPLQSHRPHCATAVAQAAAAALADVCHMSRSGRDVFRYRQRNNSMDEEIEENPYWSVRALVQQYEGQQR
 SPSESSCSSLTSPSPIHSAKSESIIITQSEEKADFVIIIPAEGIENRTEGTDSPLSRDWRPGSPGTYLETSW
 EEQLLEQQEYLEKEMEEAKKMISGLQALLNGLPEDEQERPLALCEPGVNPEEQLIIIQSRLDQSMEE
 QDLKELLKCKQEARNLQGIKDALQORLTQQDTSVLQLKQELLRANMDKDELHNQNVDLQRKLDERNRL
 GEYKELGQKDRLLQHQAKLEELRKLSVSYHQVDLERELEHKDVLALAHCMKREADEATNYSNHSQS
 NGFLLPTAGKGATSVSNRGTSDDLQVRDALRSLRNSFSGHDPQHHTIDSLEQGISSLMERLHVMETQKKQ
 ERKVRVKSPTQVGSEYRESWPPNSKLPHSQSSPTVSSTCTKVLVFTDRSLTPFMVNIPKRLLEEVTLKDF
 KAAIDREGNHRHYFKALDPEFGTVKEEIFHDDDAIPGWEKIVAWVEEDHGEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037954

ORF Size: 2049 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_001037954.4](#)

RefSeq Size: 5713 bp

RefSeq ORF: 2052 bp

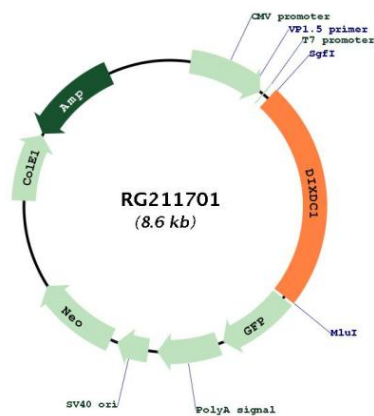
Locus ID: 85458

UniProt ID: [Q155Q3](#)

Cytogenetics: 11q23.1

Gene Summary: The protein encoded by this gene is a positive regulator of the Wnt signaling pathway. The encoded protein is found associated with gamma tubulin at the centrosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]

Product images:



Circular map for RG211701